SELECT VEHICLE
PRINT PAGES NEEDED

iDatalink maestro RR

HOW TO USE THIS INSTALL GUIDE

1. Open the Bookmarks menu and find your vehicle OR scroll down until you find the install guide for your vehicle.
2. Print only the pages for your vehicle using the advanced options in the Print menu.
3. Install your Maestro RR according to the guide for your vehicle.

WARNING

Pressing the printer icon or "quick printing" this document will print all of the guides in this compilation.

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

INSTALL GUIDE
SCION FR-S
2013-2016

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

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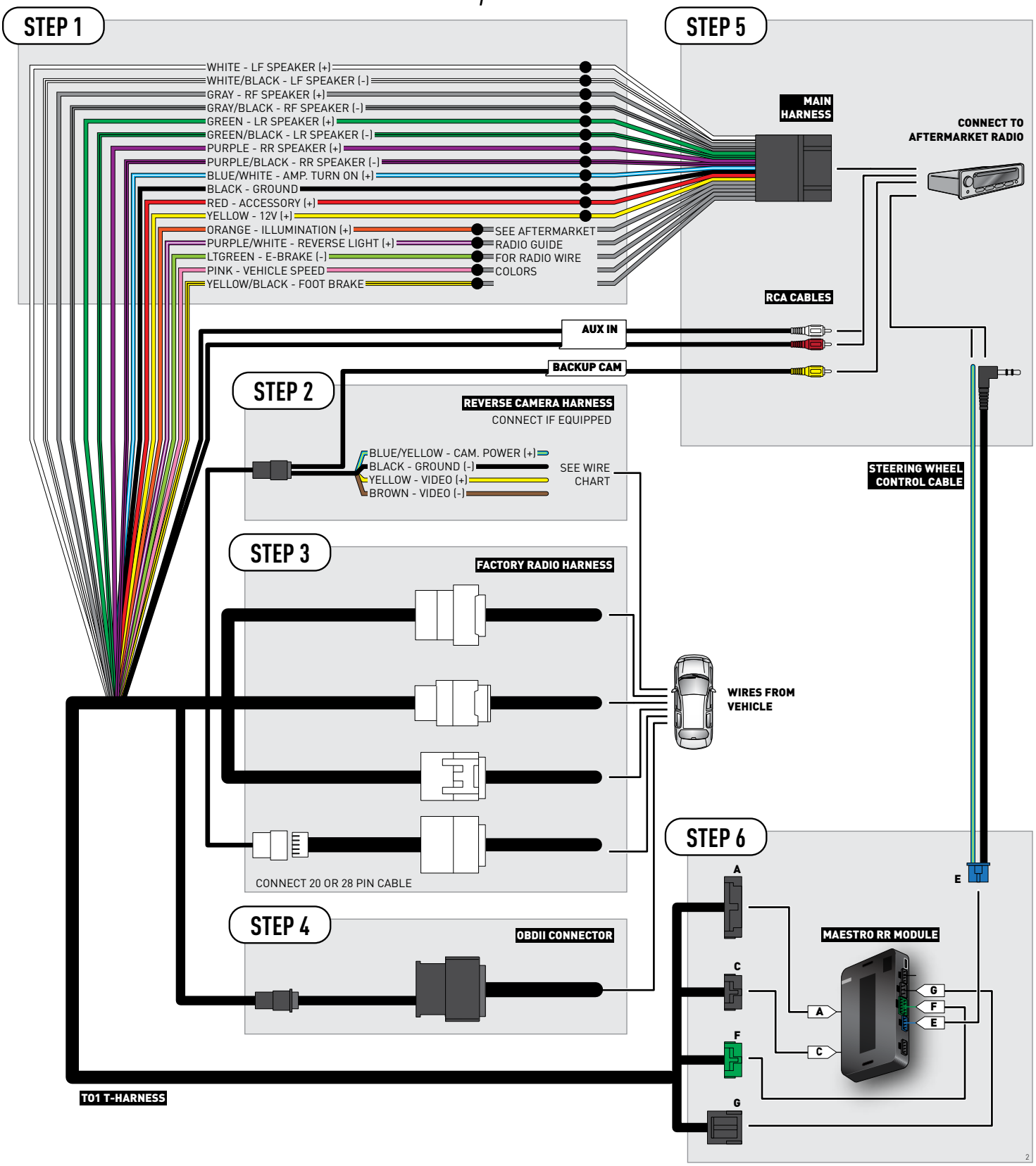
WIRING DIAGRAM *without an Amplifier*



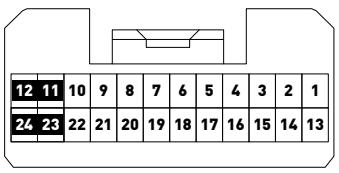
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	White	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Red	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	24	Orange	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
SCION IM
2016

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-T0Y01-AS

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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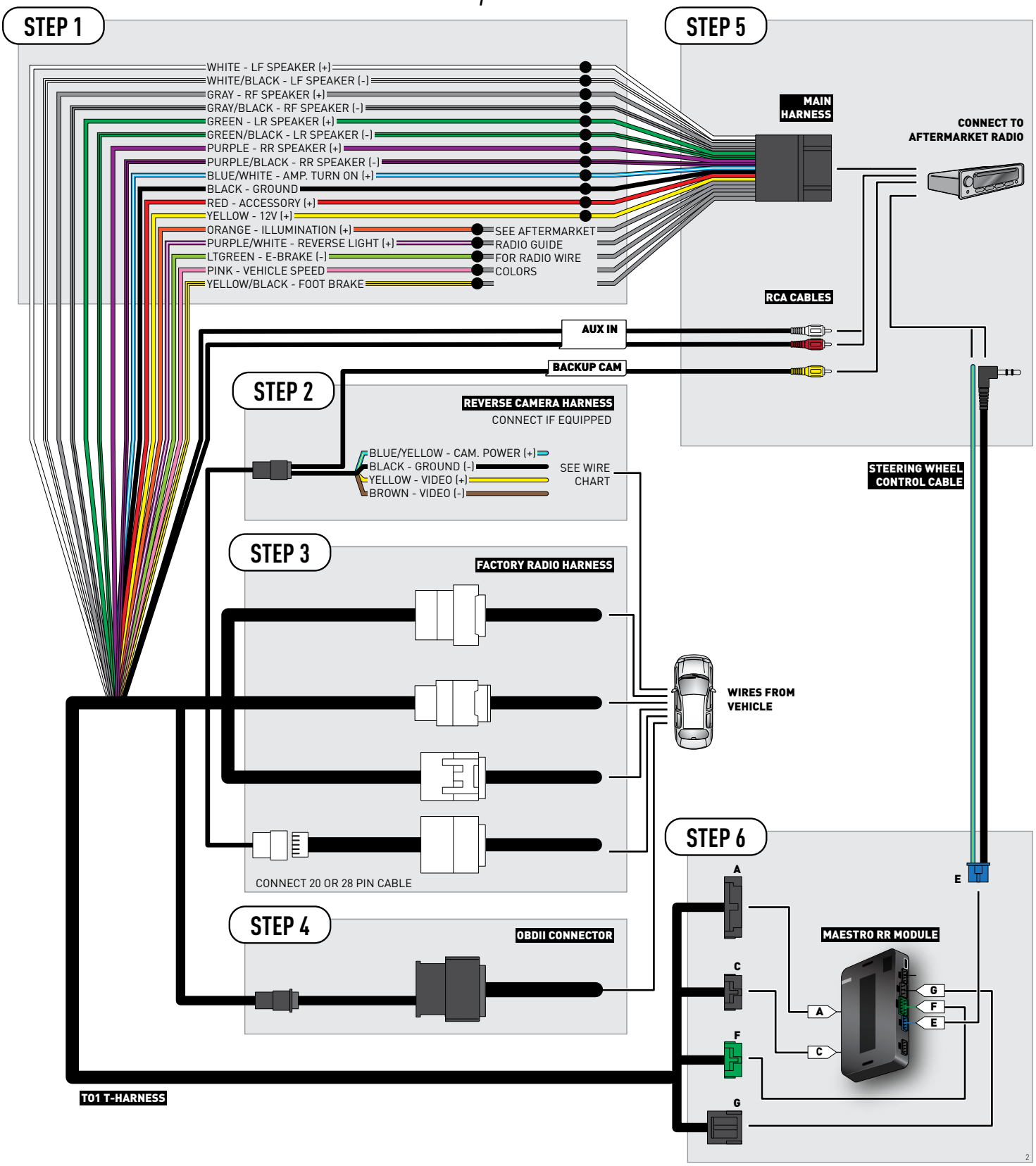
WIRING DIAGRAM *without an Amplifier*



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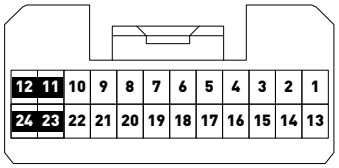
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



INSTALL GUIDE
SCION IQ
2012-2015

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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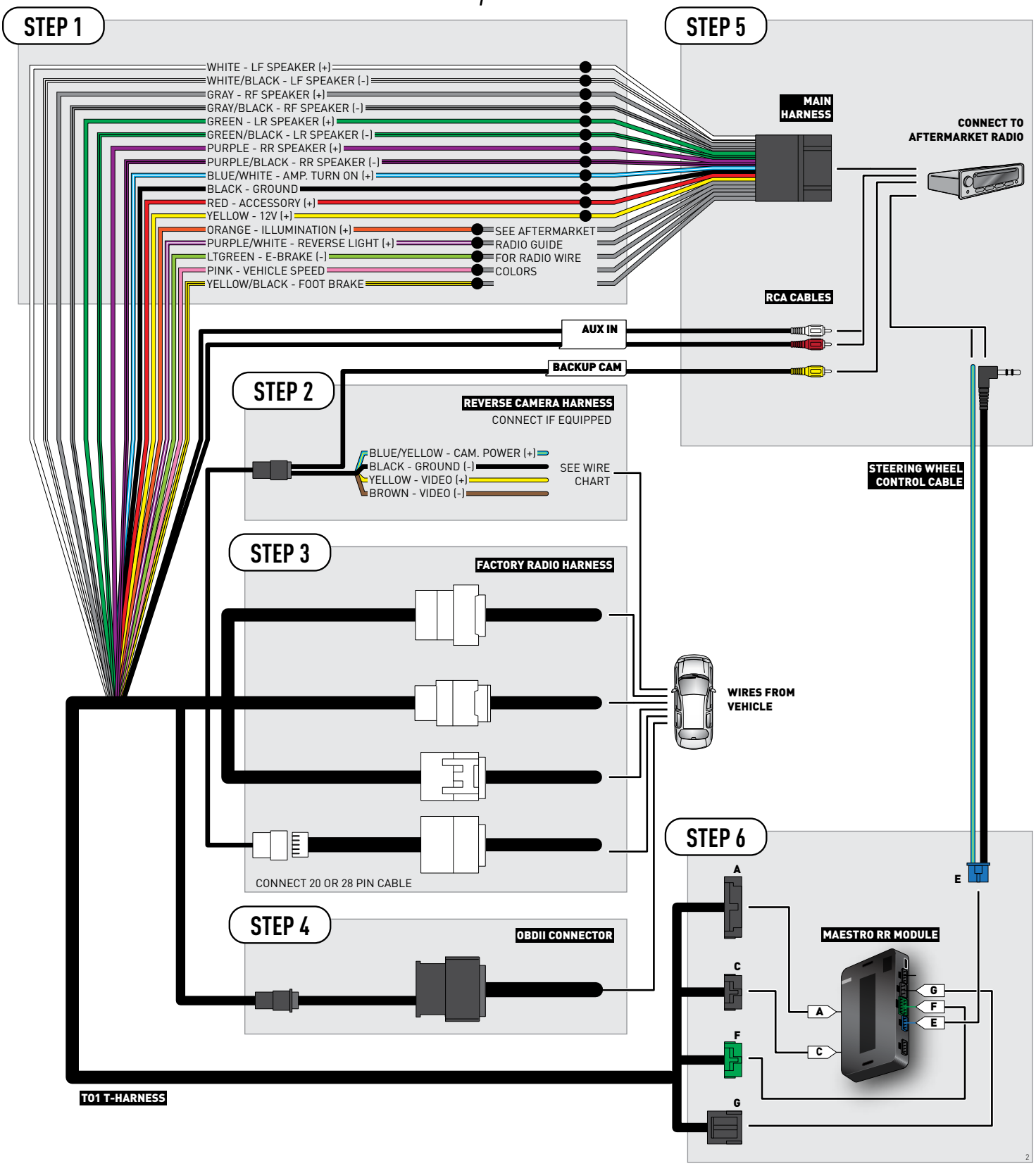
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

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Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
SCION TC
2007-2016

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-T0Y01-AS

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WELCOME

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Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

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INSTALLATION INSTRUCTIONS

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STEP 4

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STEP 5

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- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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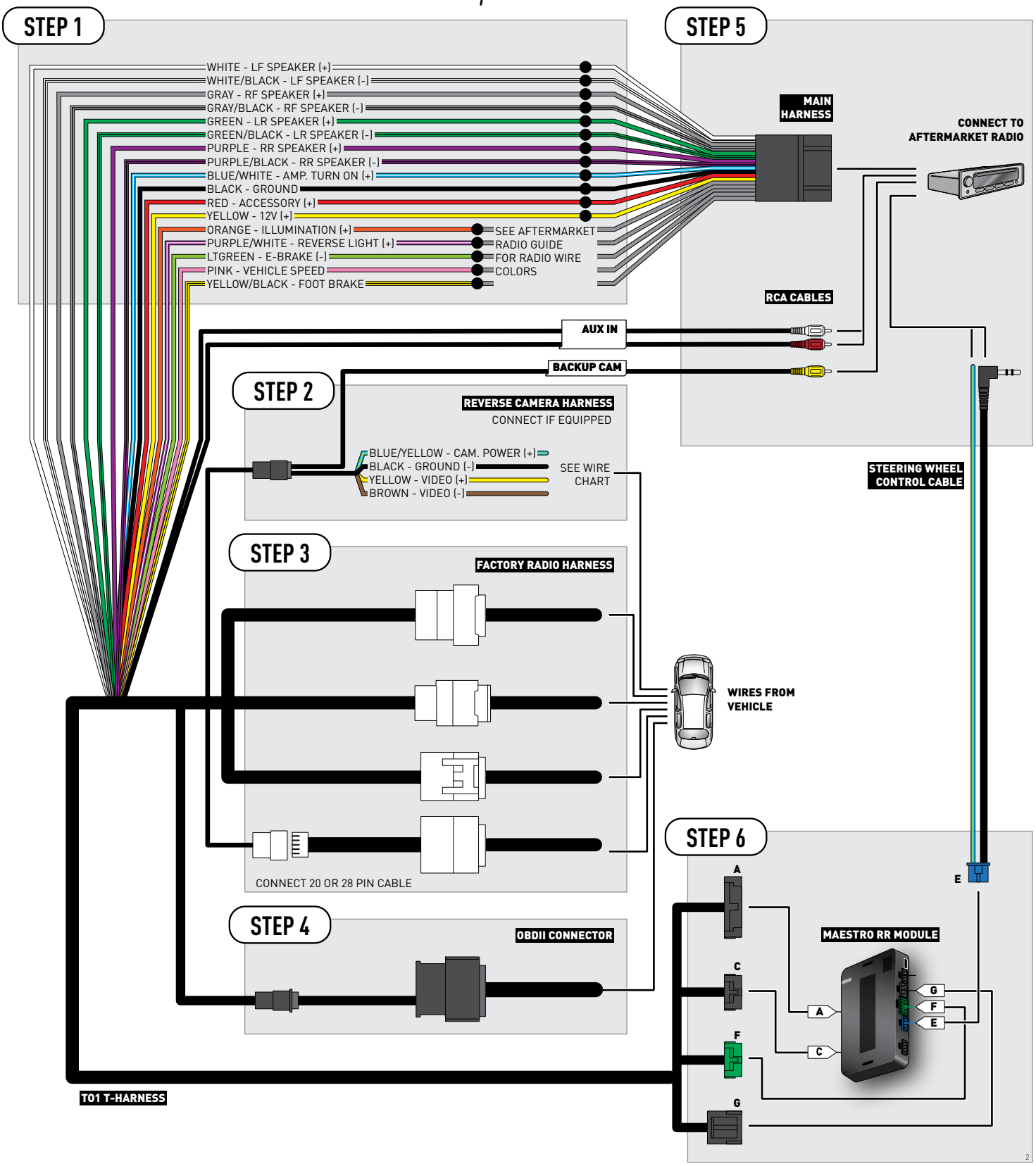
WIRING DIAGRAM *without an Amplifier*



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Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
SCION XB
2008-2016

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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NEED HELP?

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INSTALLATION INSTRUCTIONS

STEP 1

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STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
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- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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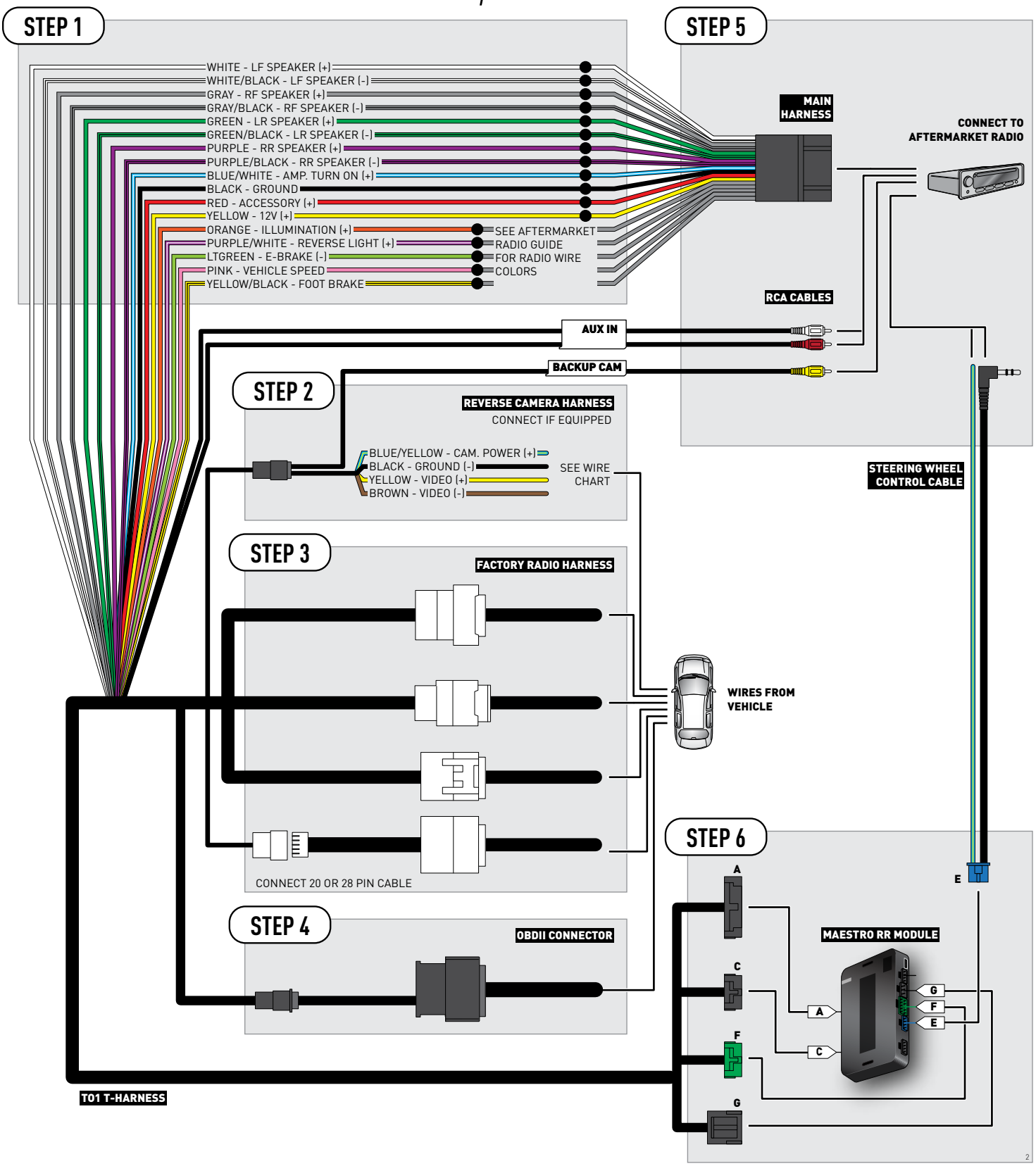
WIRING DIAGRAM *without an Amplifier*



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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
SCION XD
2008-2014

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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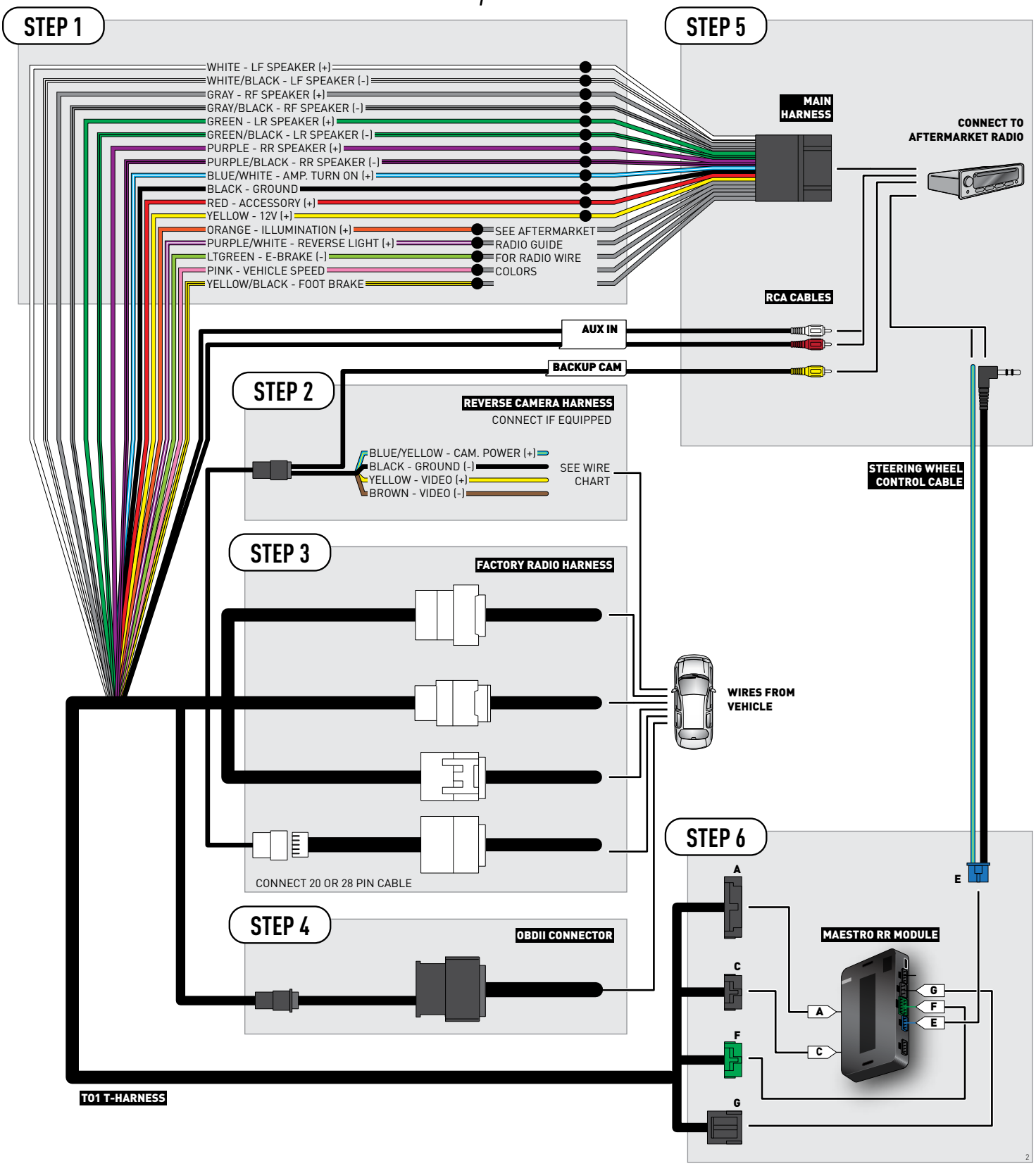

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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
SUBARU BRZ
2013-2016

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
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- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

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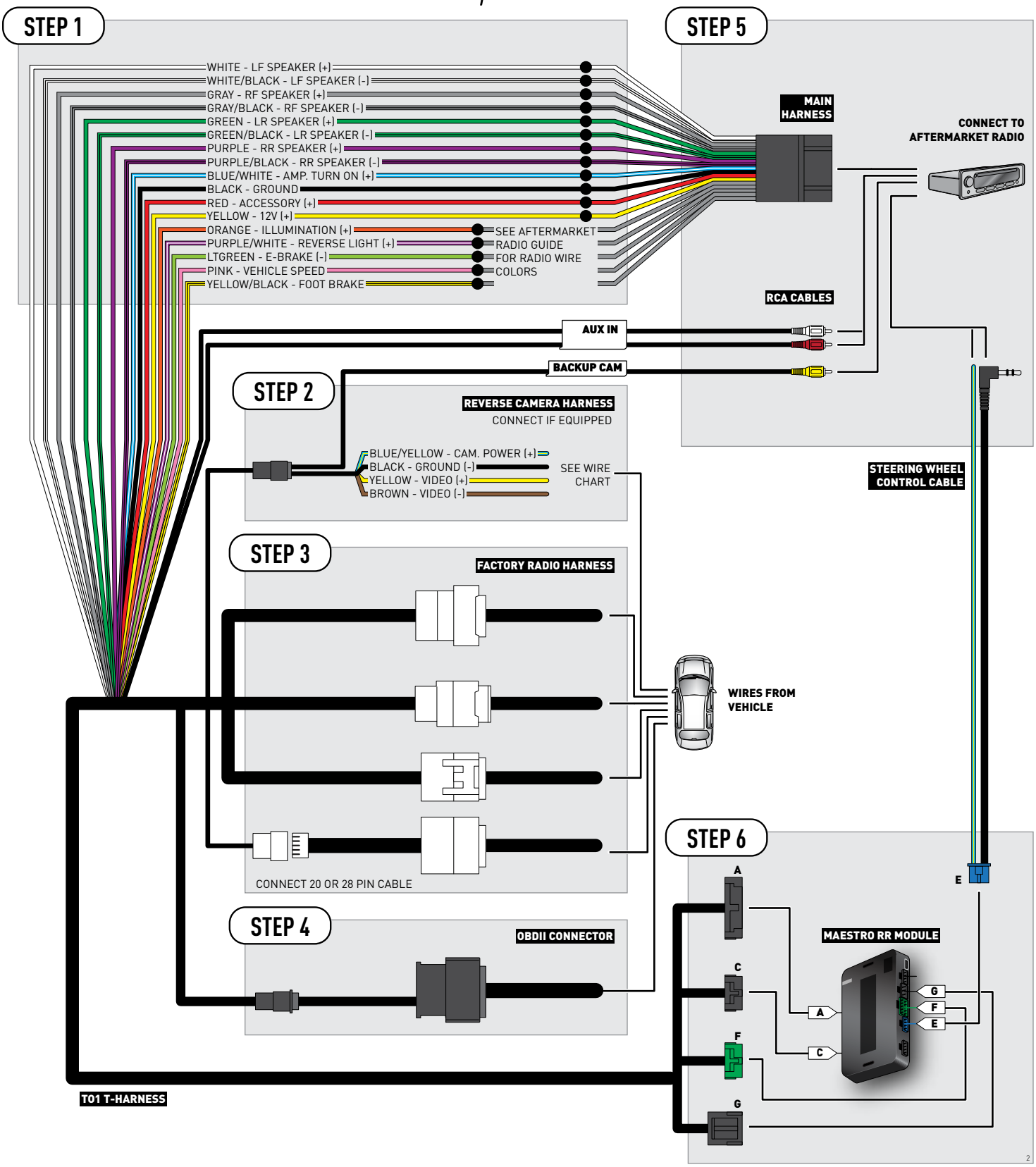
WIRING DIAGRAM *without an Amplifier*



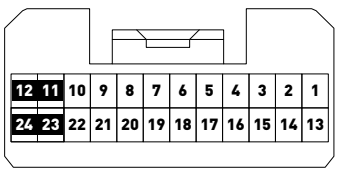
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	White	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Red	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	24	Orange	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA 4 RUNNER
WITH JBL 2005-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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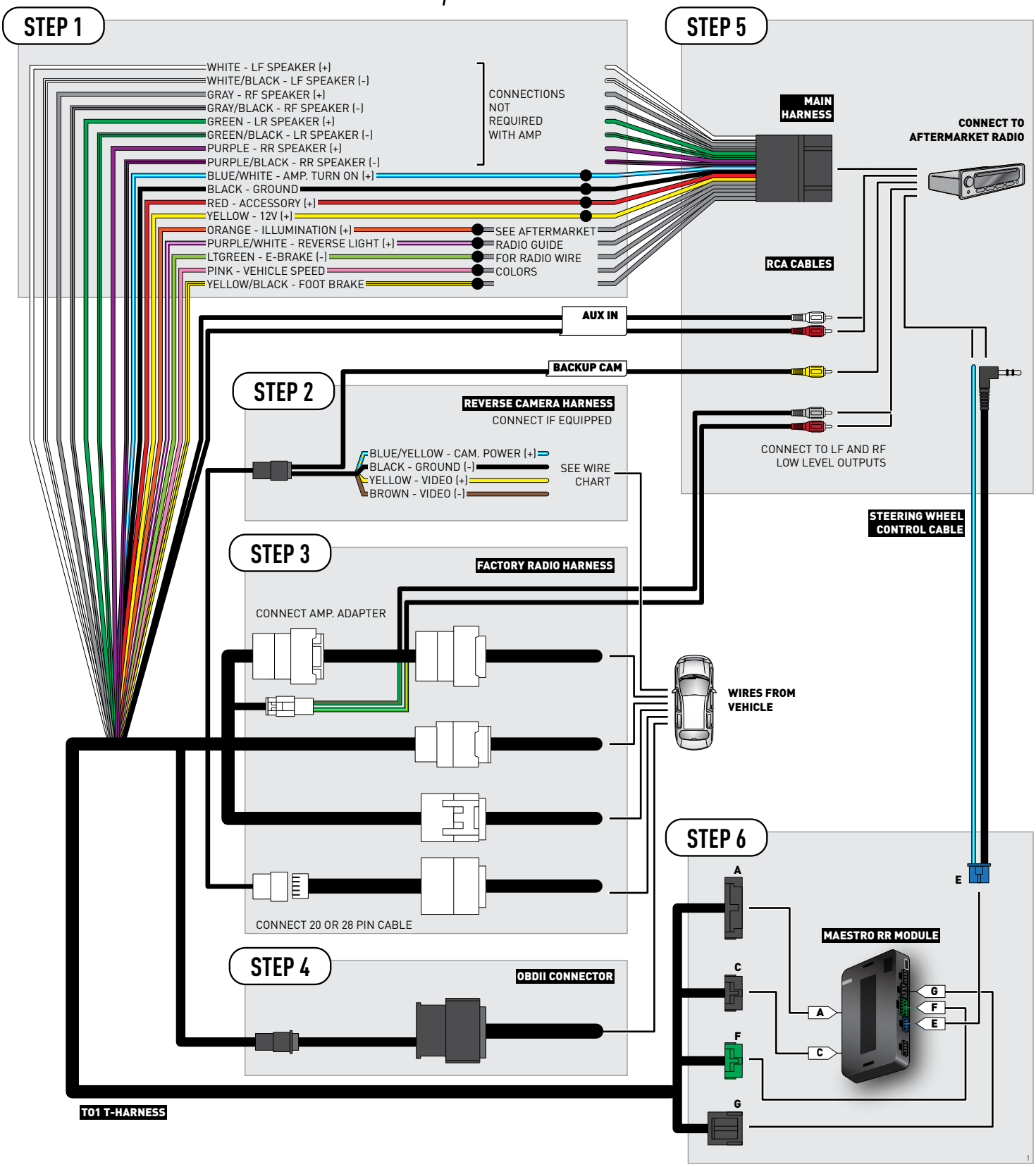
1

WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

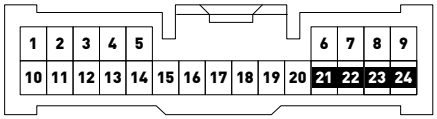
2006-2009

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

2010-2011

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	White	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Black	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA 4 RUNNER
WITH JBL 2012-2013

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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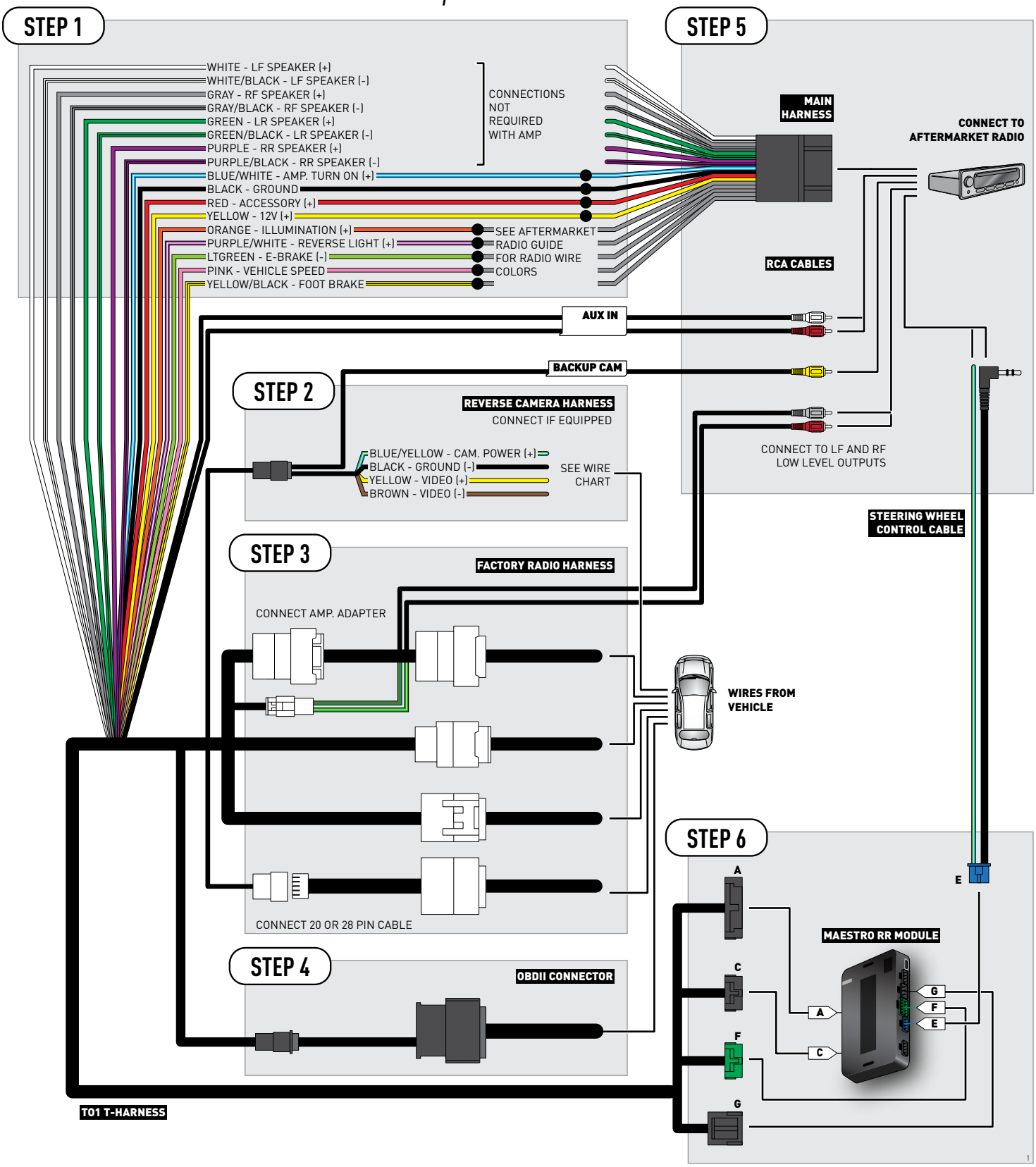
WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
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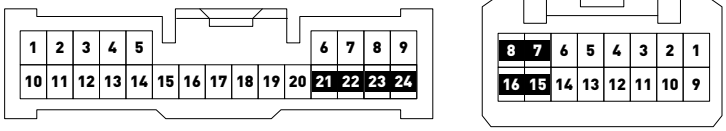
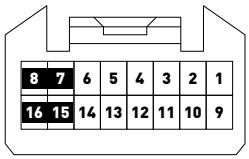
Video -	~	~	24 pin	23	Black	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Red	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	White	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Black	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)





INSTALL GUIDE
TOYOTA 4 RUNNER
WITHOUT JBL 2005-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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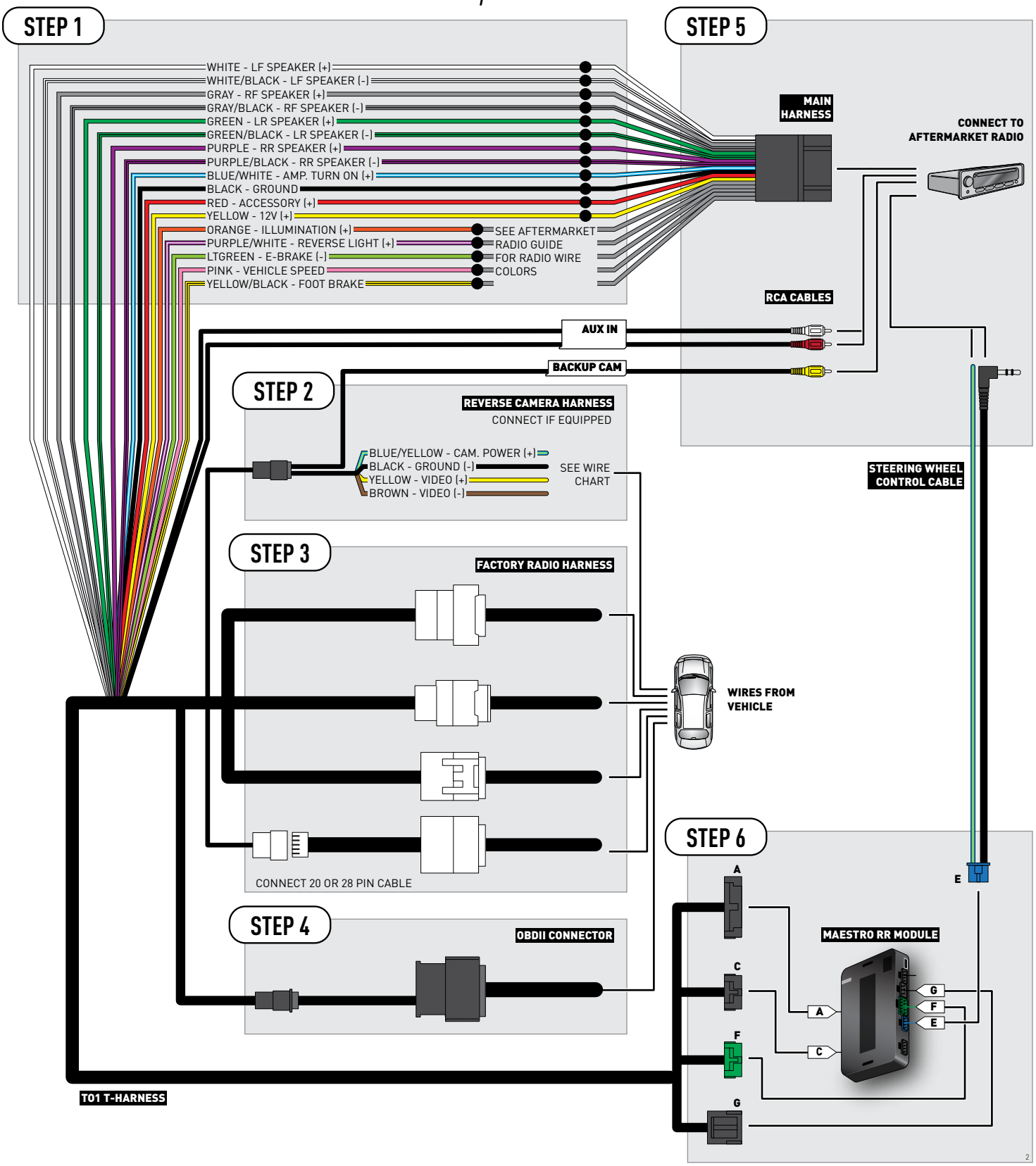
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA 4 RUNNER
WITHOUT JBL 2012-2013

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

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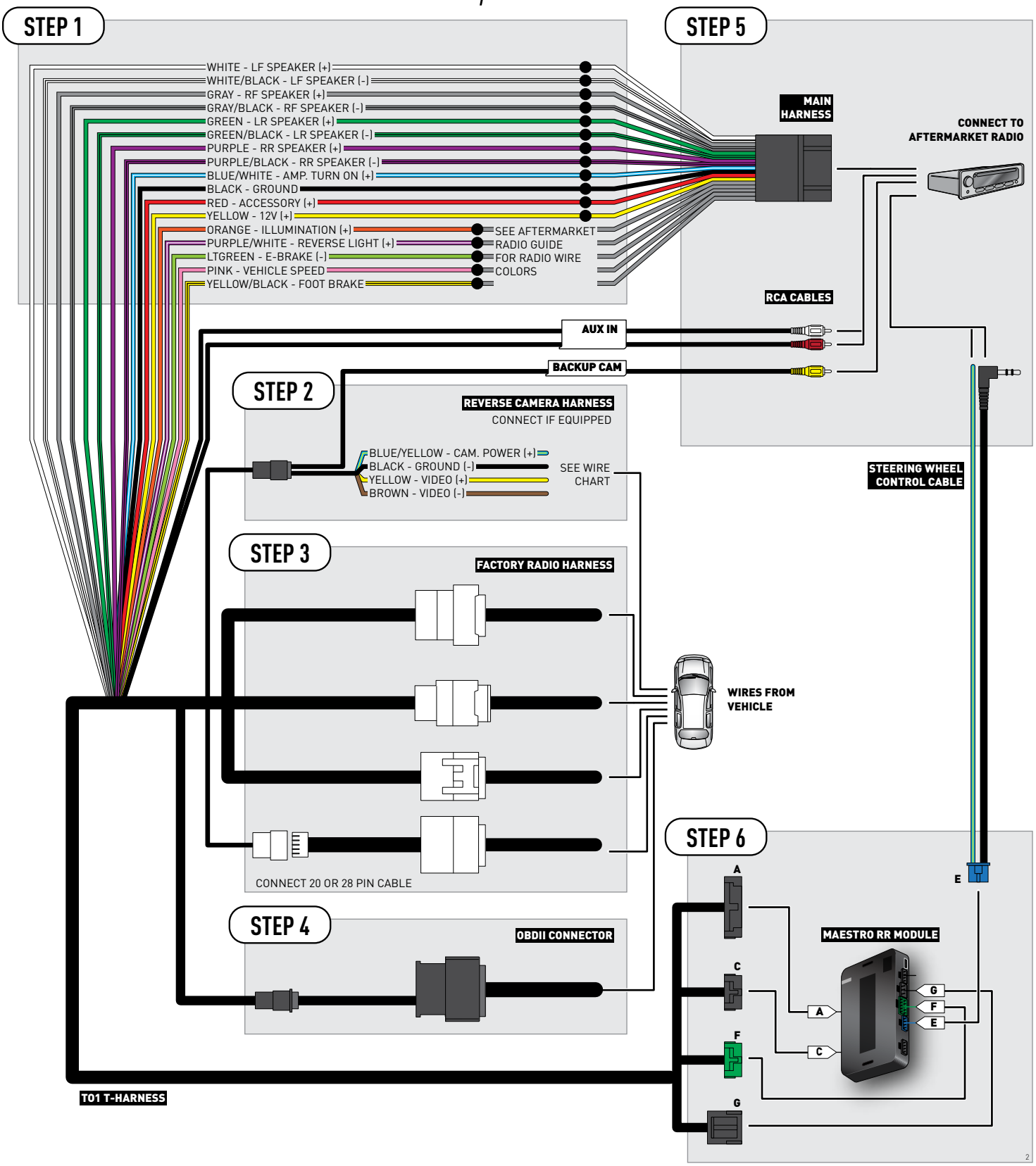

RADIO WIRE REFERENCE CHART

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Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
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VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
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OR

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Camera Power	~	~	16 pin	07	Red	(+)	Reverse camera harness
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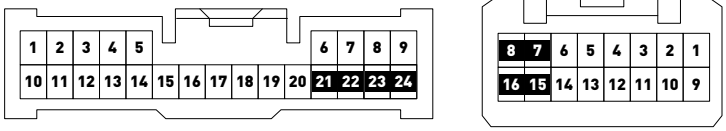
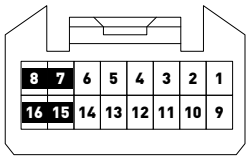
REVERSE CAMERA CONNECTORS (WIRE SIDE)





INSTALL GUIDE
TOYOTA 86
2017

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-AS

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WELCOME

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

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- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

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STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

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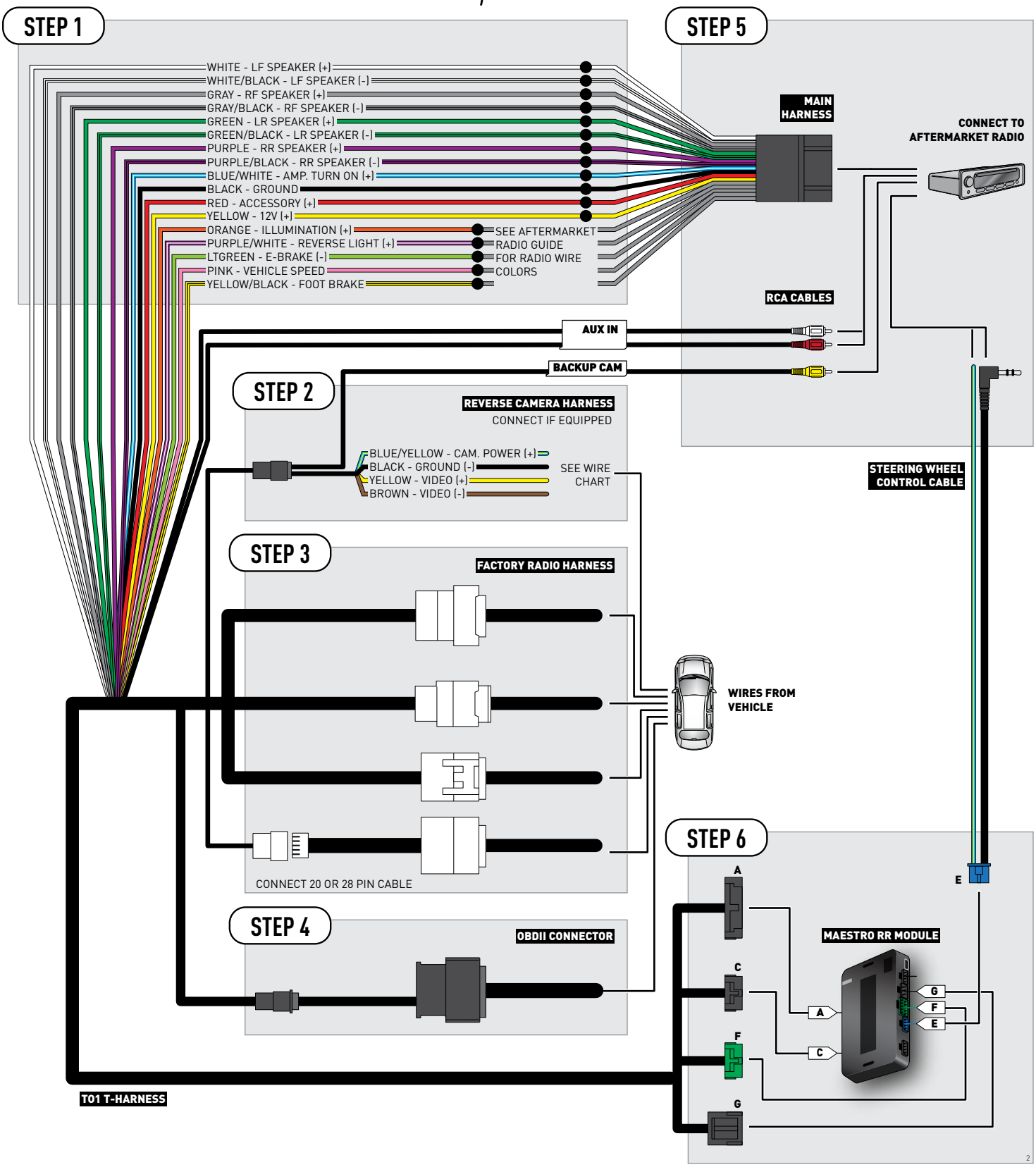
WIRING DIAGRAM *without an Amplifier*



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VEHICLE WIRE REFERENCE CHART

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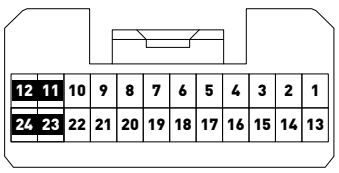
Ground	~	~	24 pin	23	Red	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	24	Orange	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA CAMRY
WITH JBL 2007-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-T0Y01-AS

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

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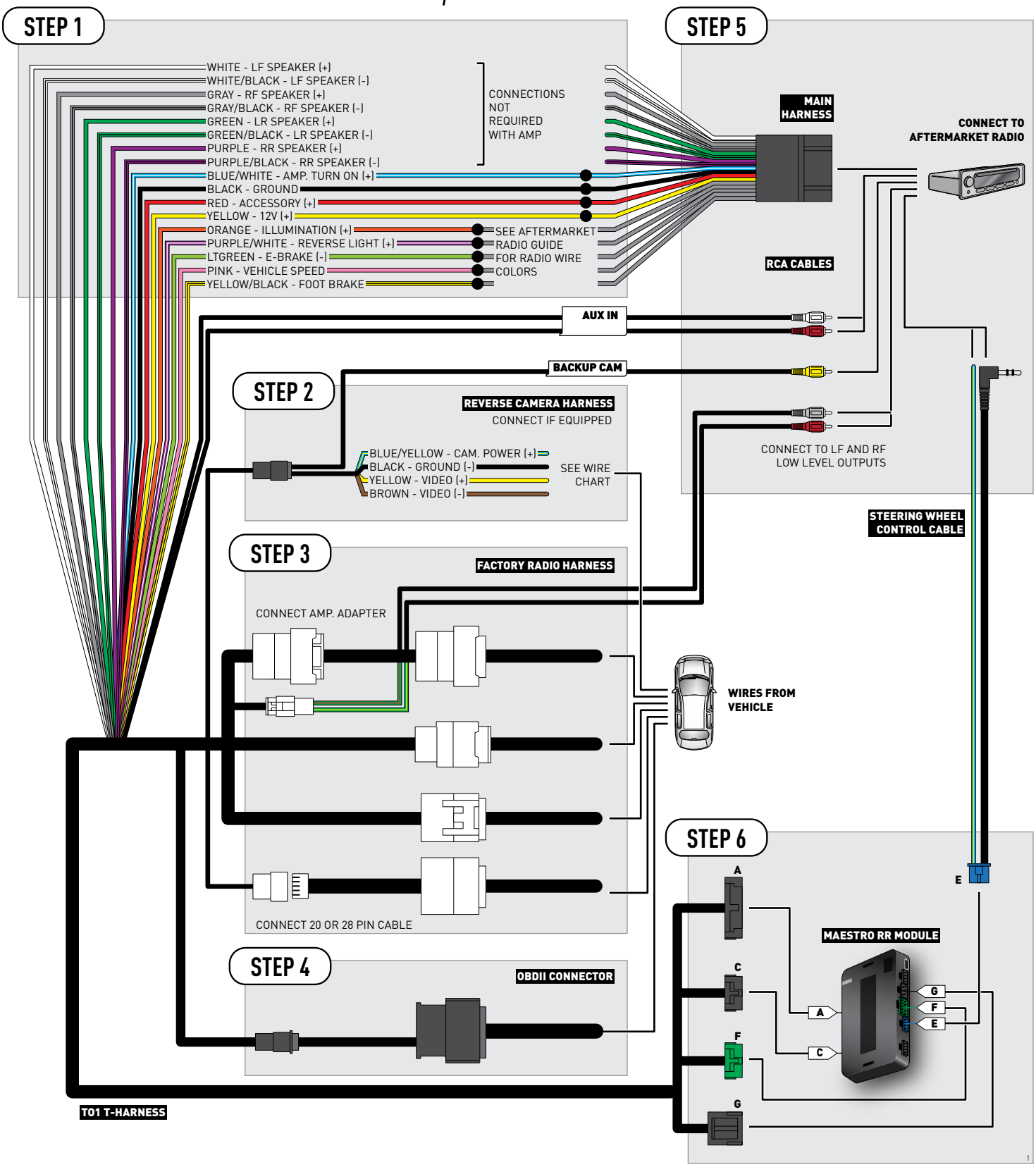
WIRING DIAGRAM *with an Amplifier*



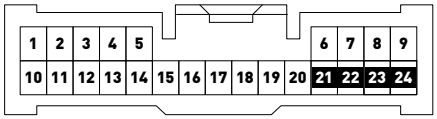
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA CAMRY
WITHOUT FACTORY SCREEN 2012-2014

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-AS

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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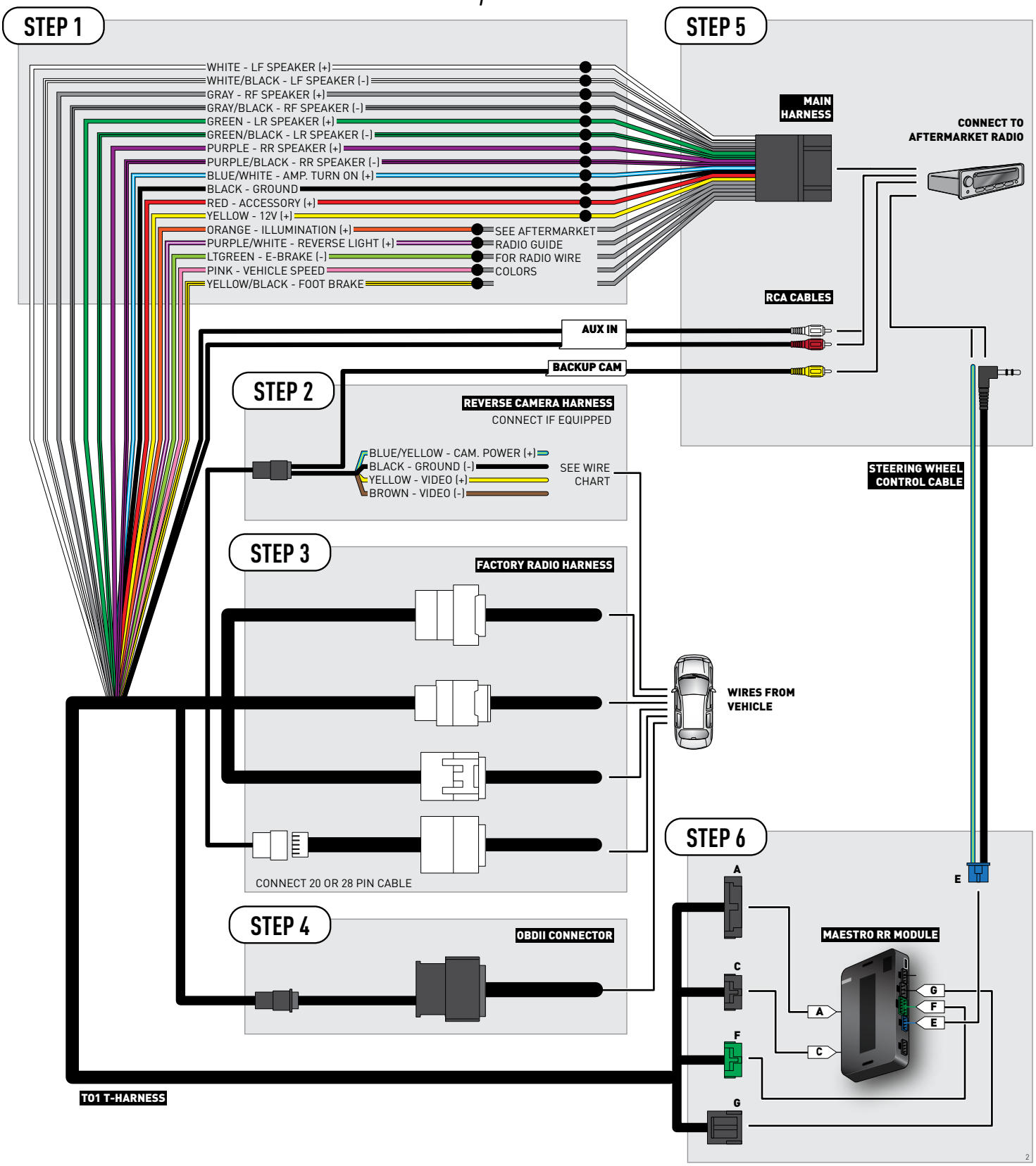
WIRING DIAGRAM *without an Amplifier*



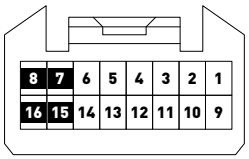
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	White	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Red	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA CAMRY
WITHOUT JBL 2007-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-AS

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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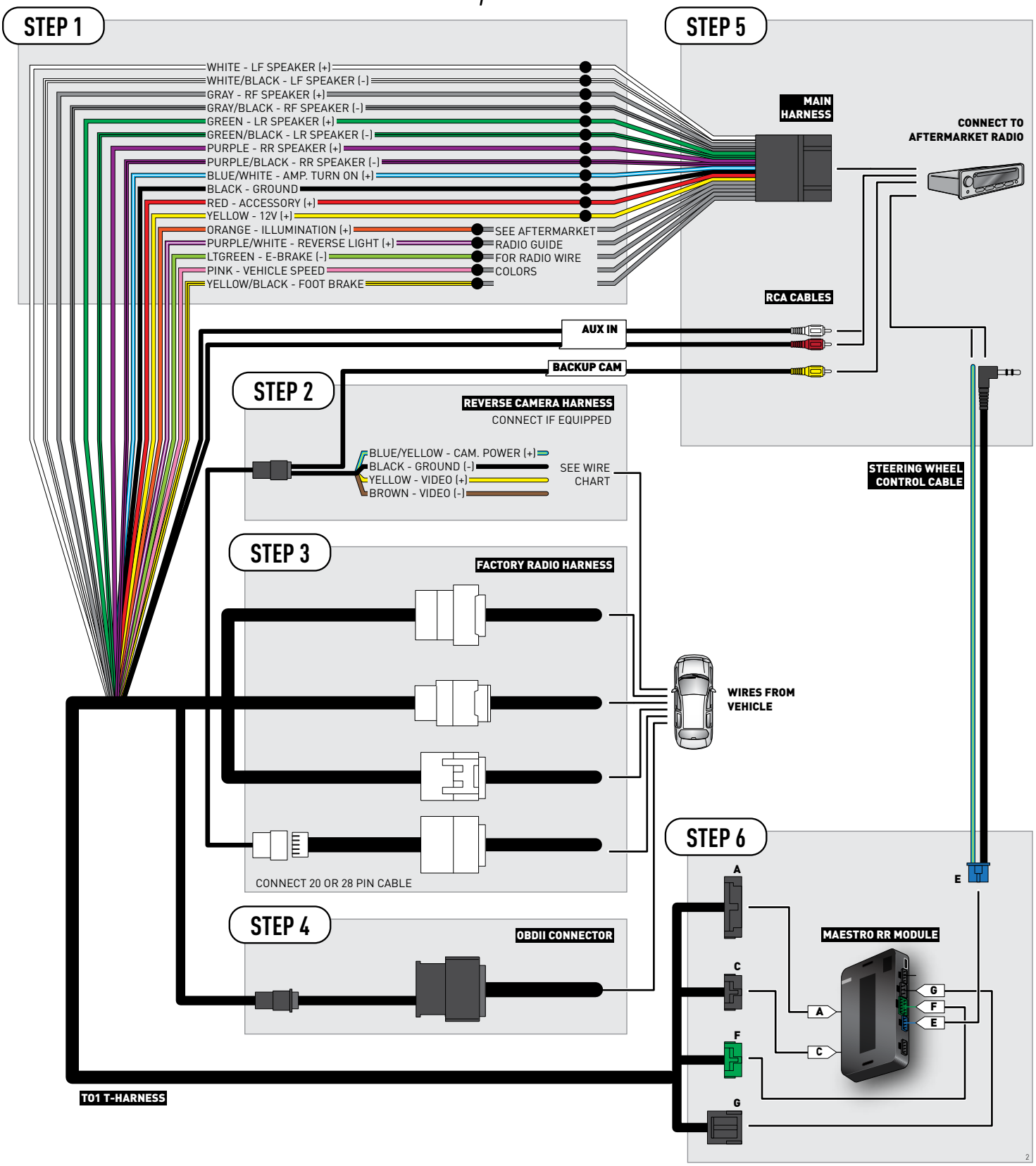
WIRING DIAGRAM *without an Amplifier*



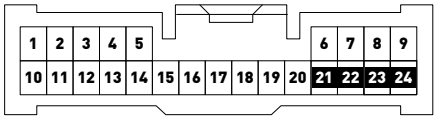
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA COROLLA IM
2017

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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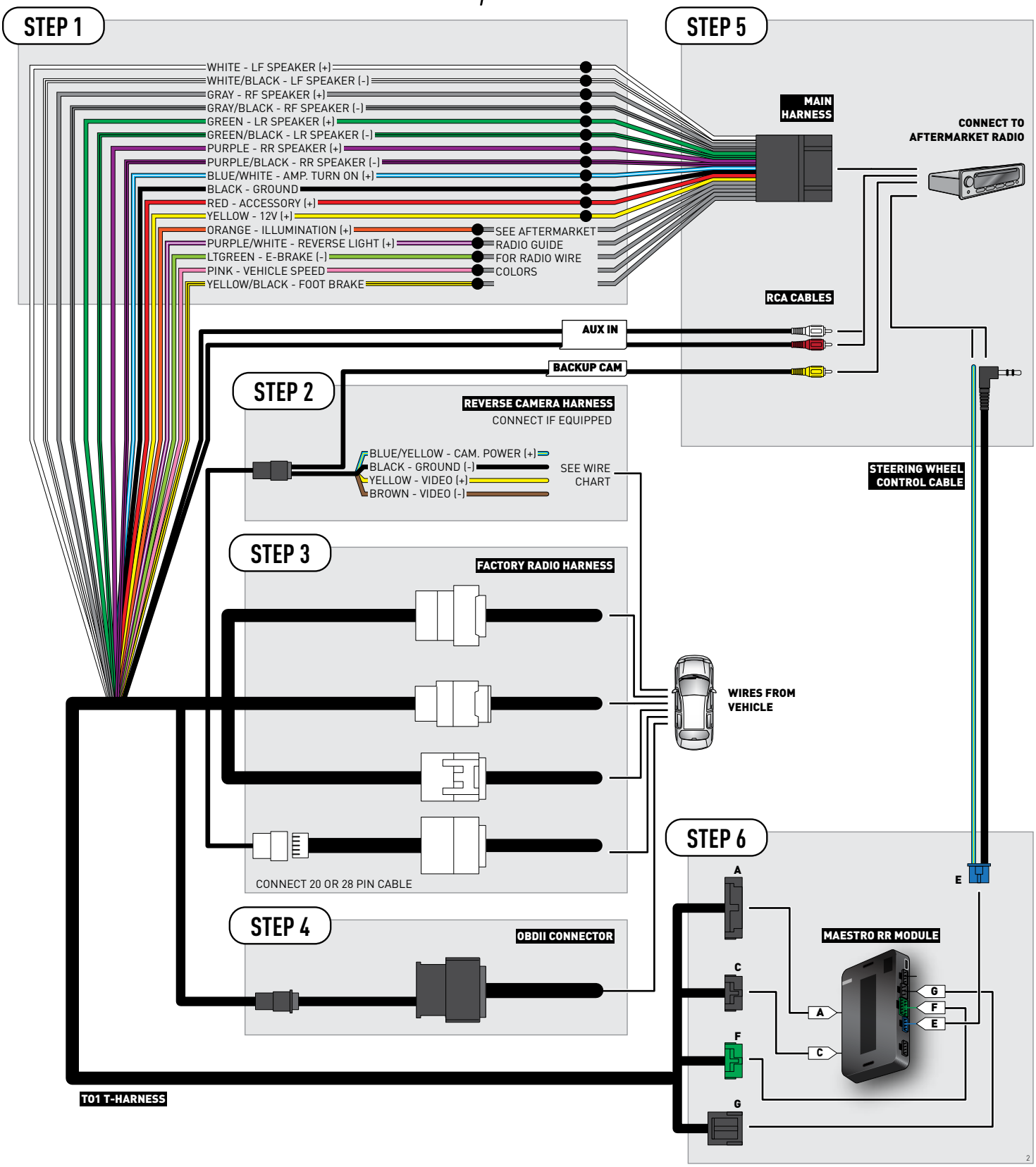
WIRING DIAGRAM *without an Amplifier*



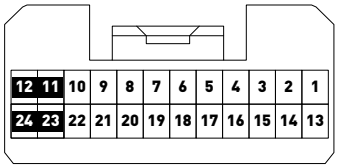
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



INSTALL GUIDE
TOYOTA COROLLA
WITH JBL 2009-2013

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

1 866 427-2999

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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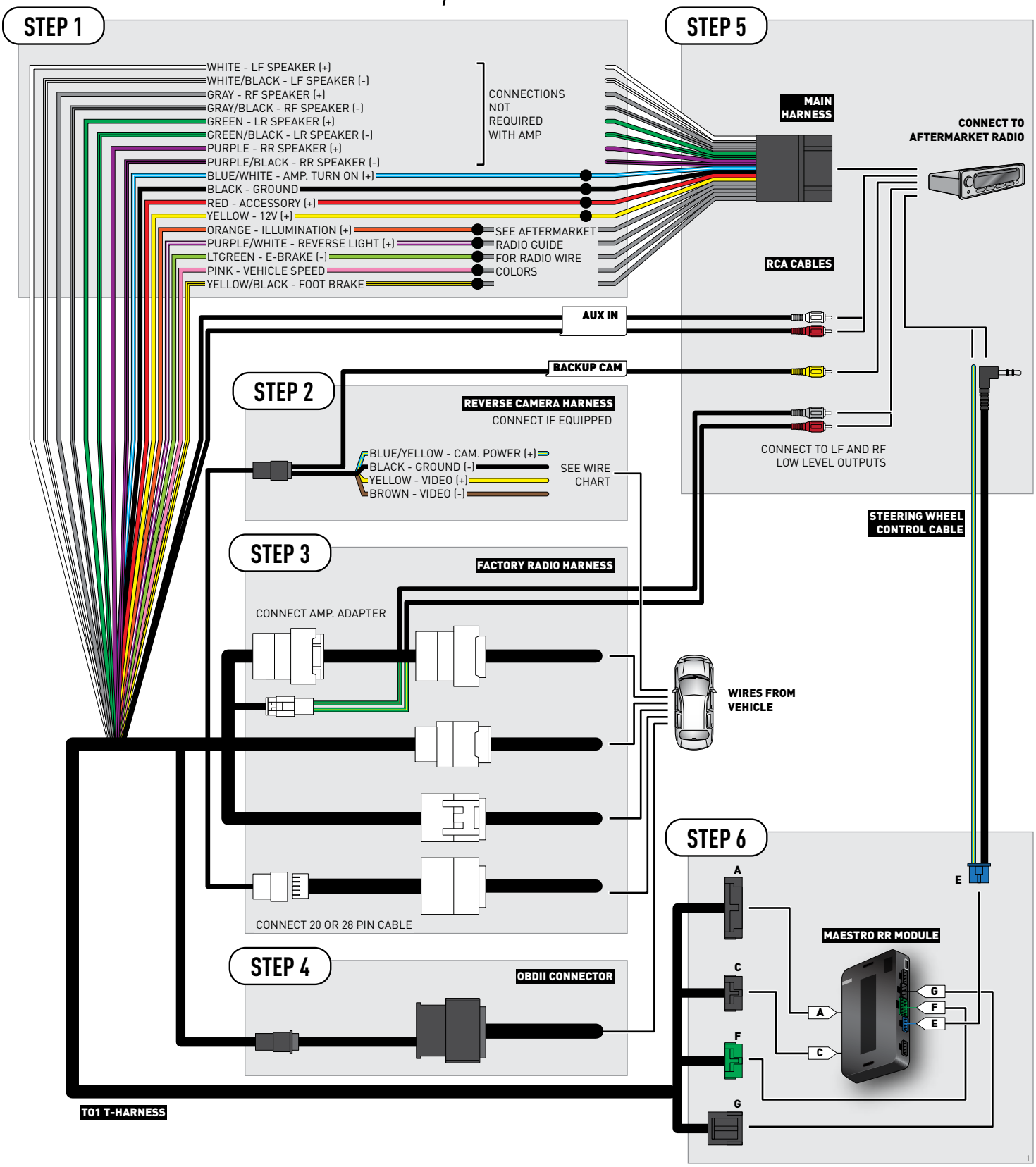
1

WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA COROLLA
WITHOUT FACTORY SCREEN 2014-2015

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-AS

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- Plug the steering wheel control cable into the aftermarket radio.

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- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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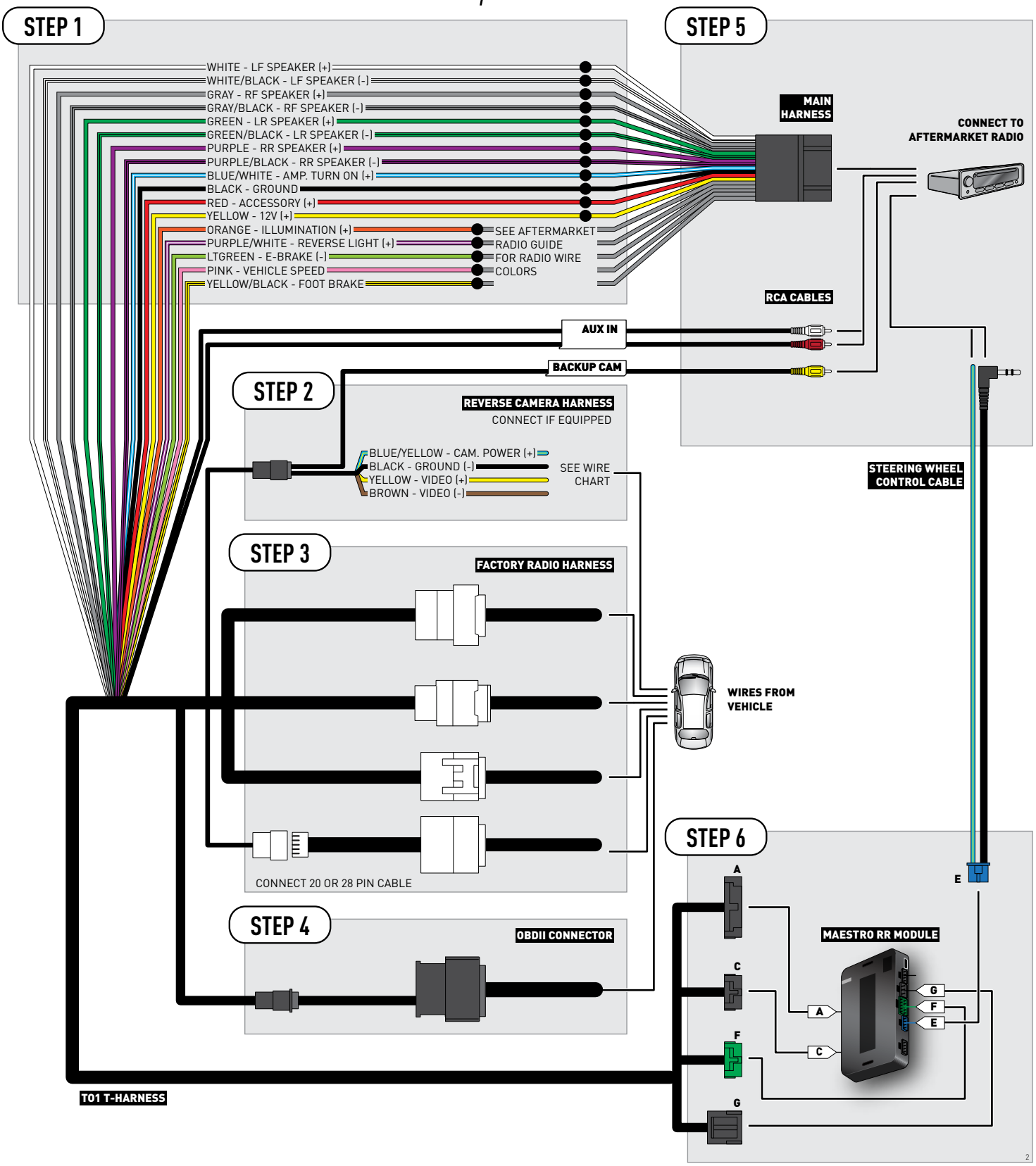
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA COROLLA
WITHOUT JBL 2009-2013

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-AS

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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Radio Wire Reference Chart	5
Vehicle Wire Reference Chart	6

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

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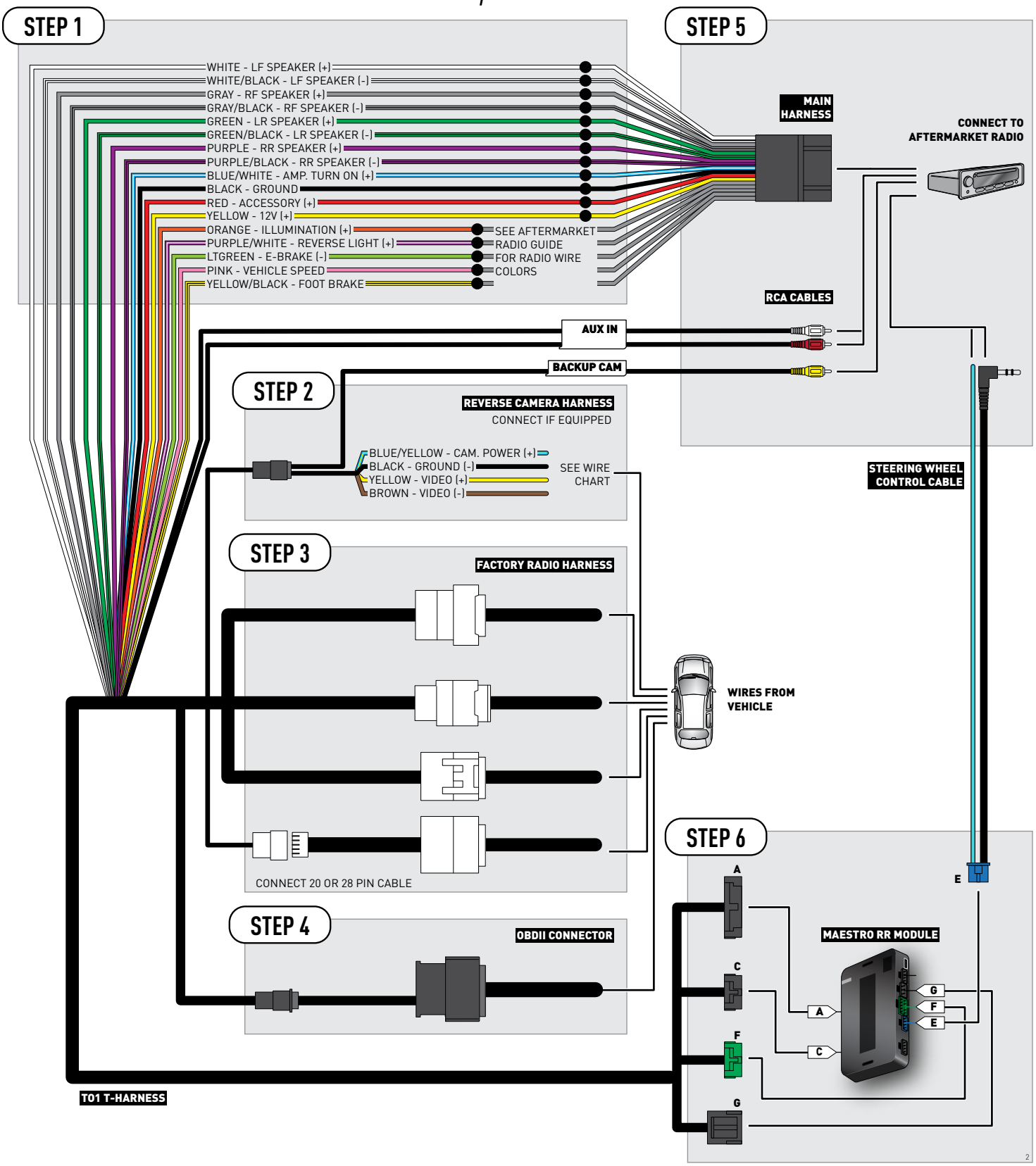
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

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TOYOTA FJ CRUISER
WITH JBL 2006-2014

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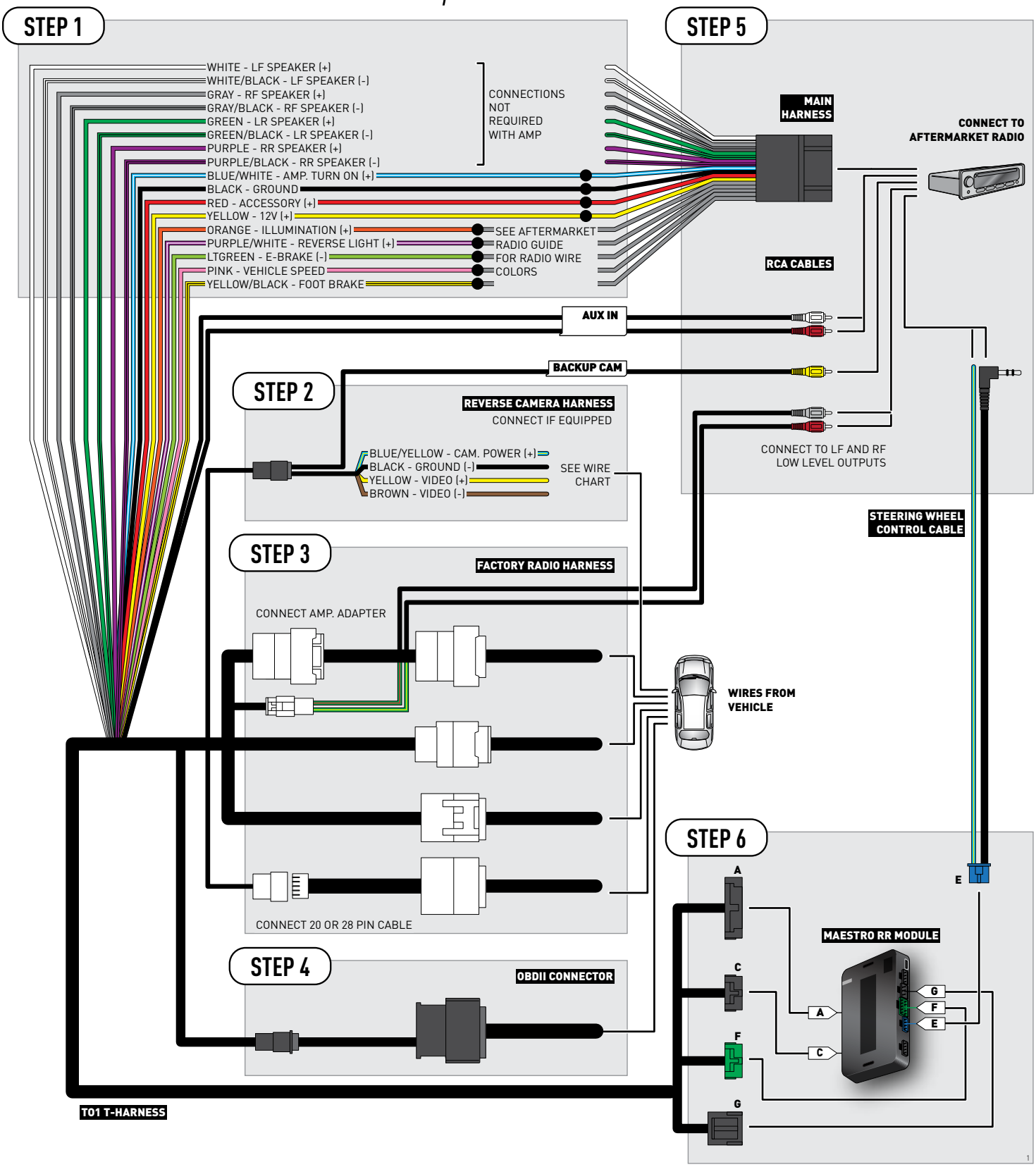

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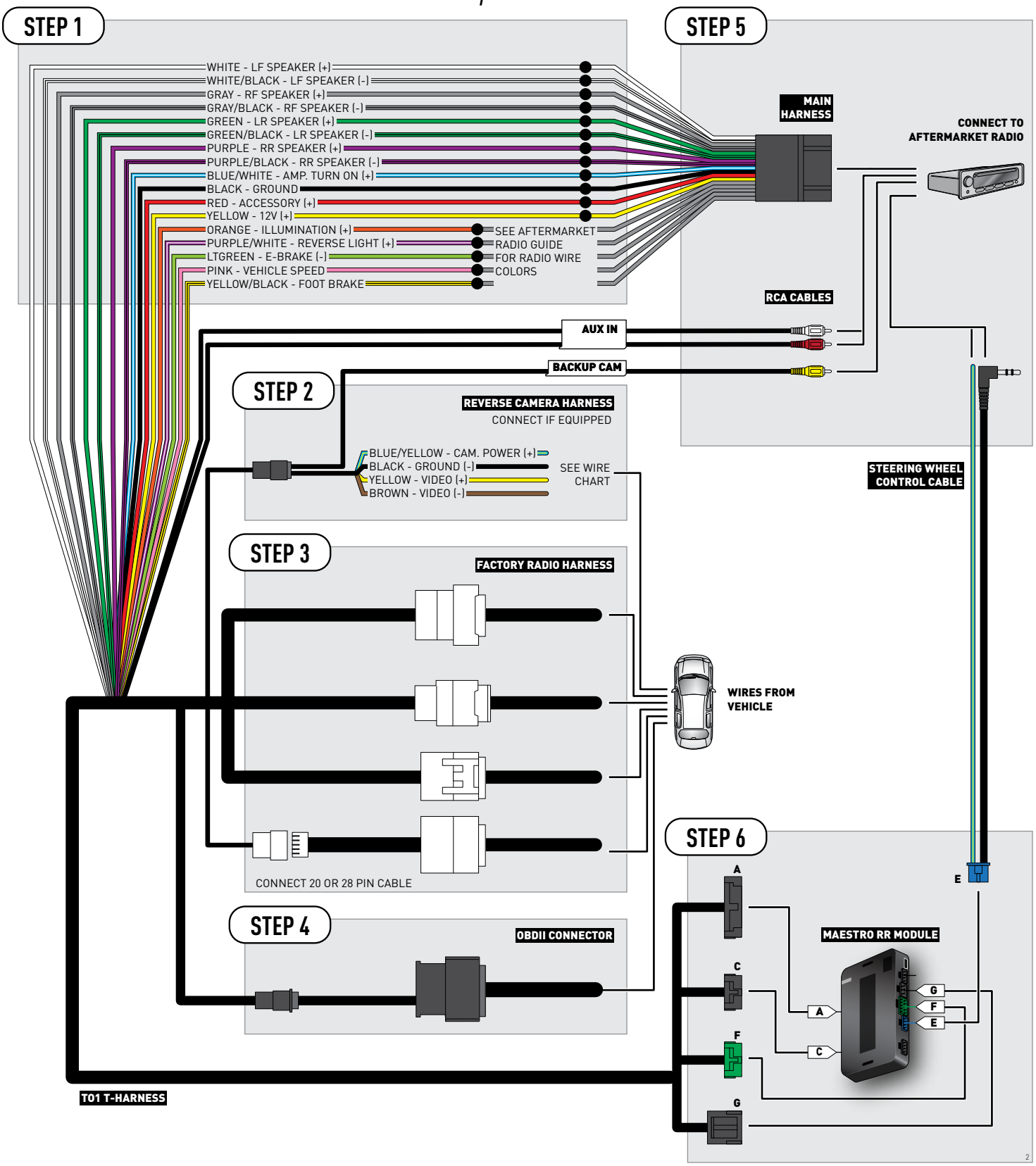

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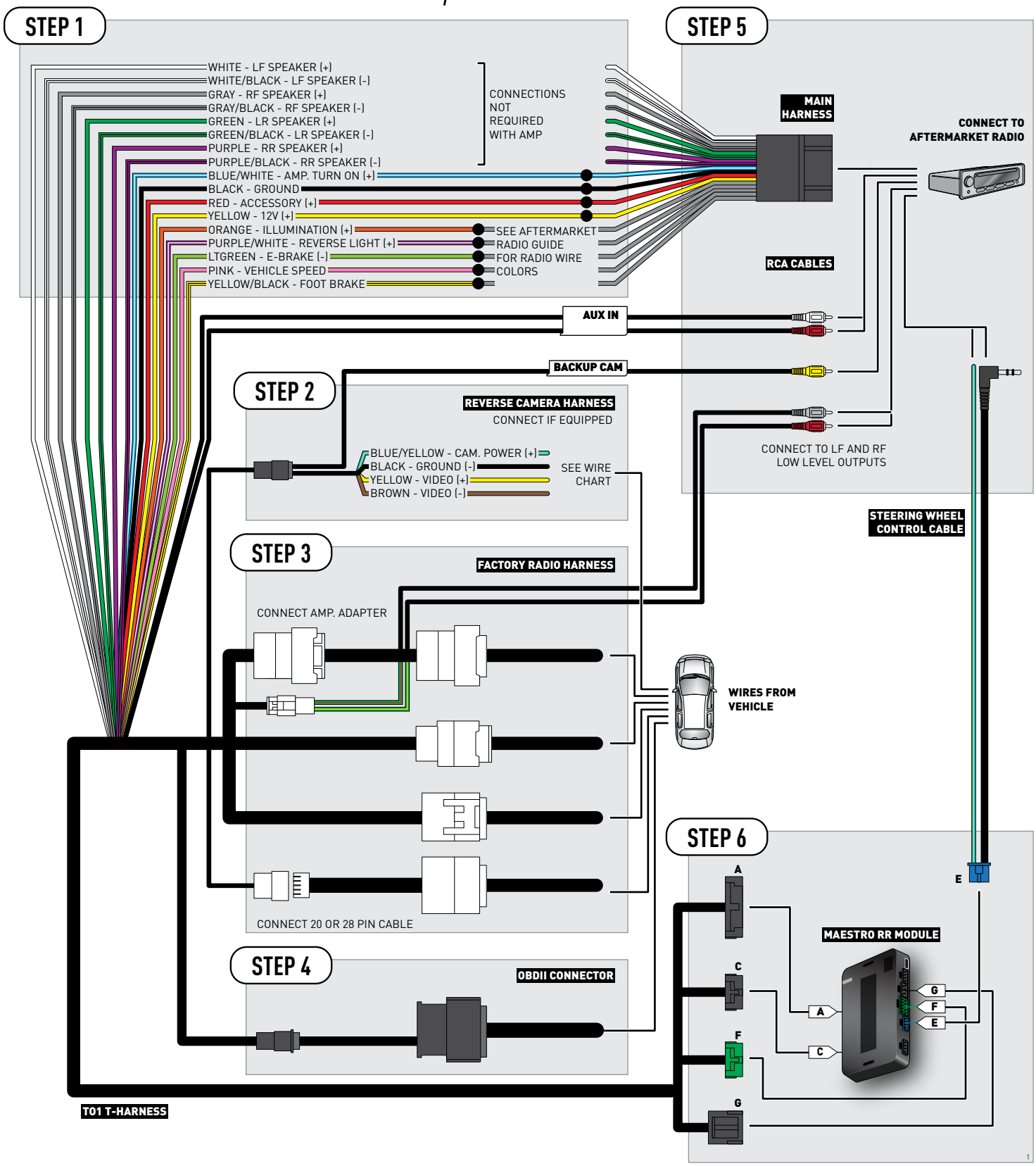

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VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
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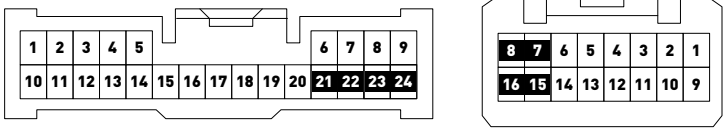
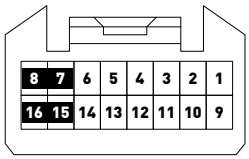
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	White	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)





INSTALL GUIDE
TOYOTA HIGHLANDER
WITH JBL 2013

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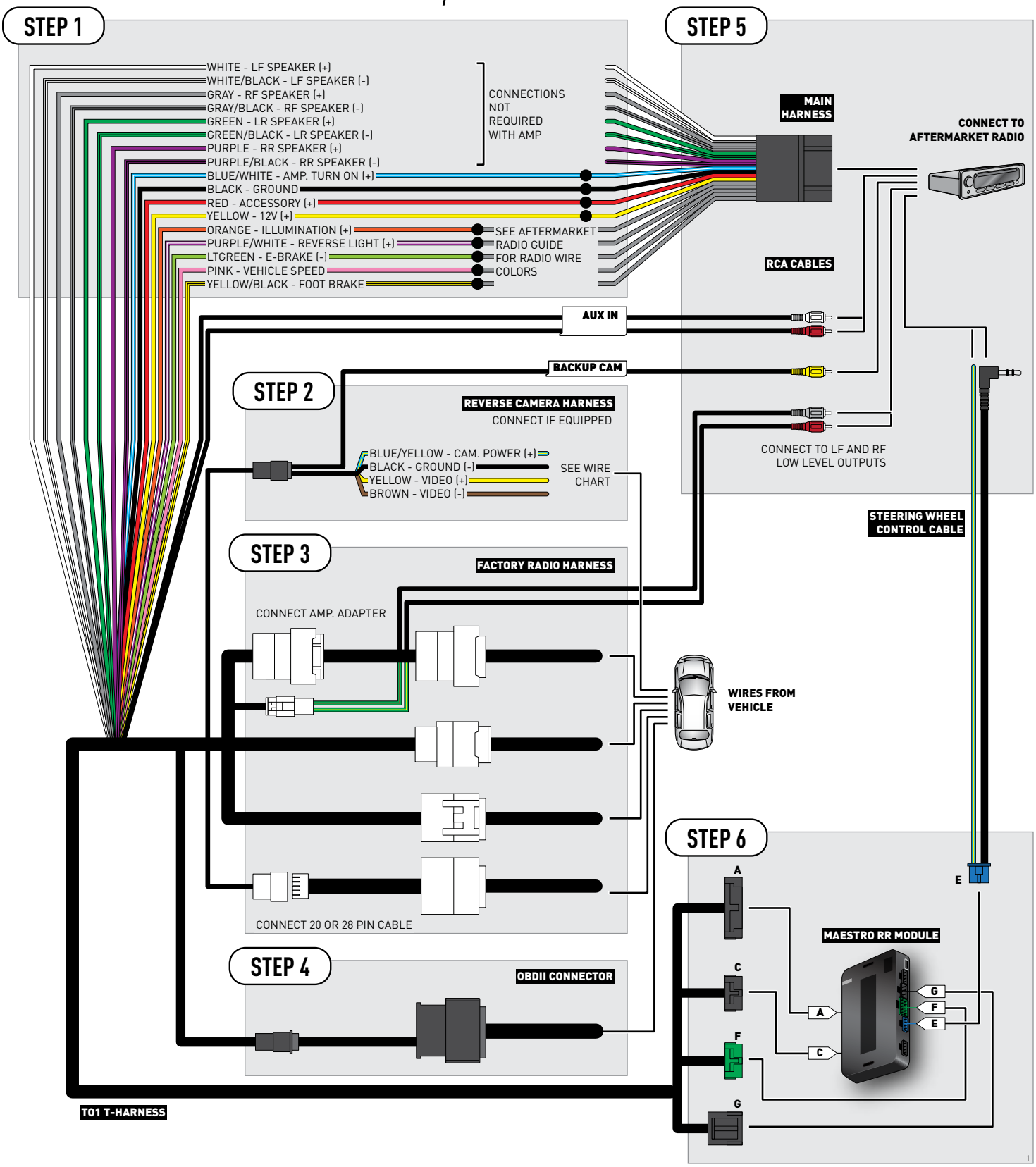

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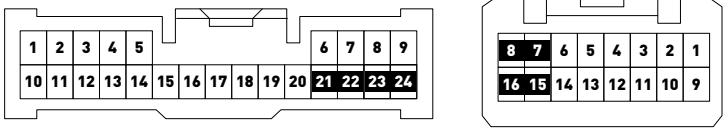

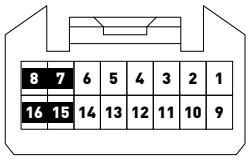

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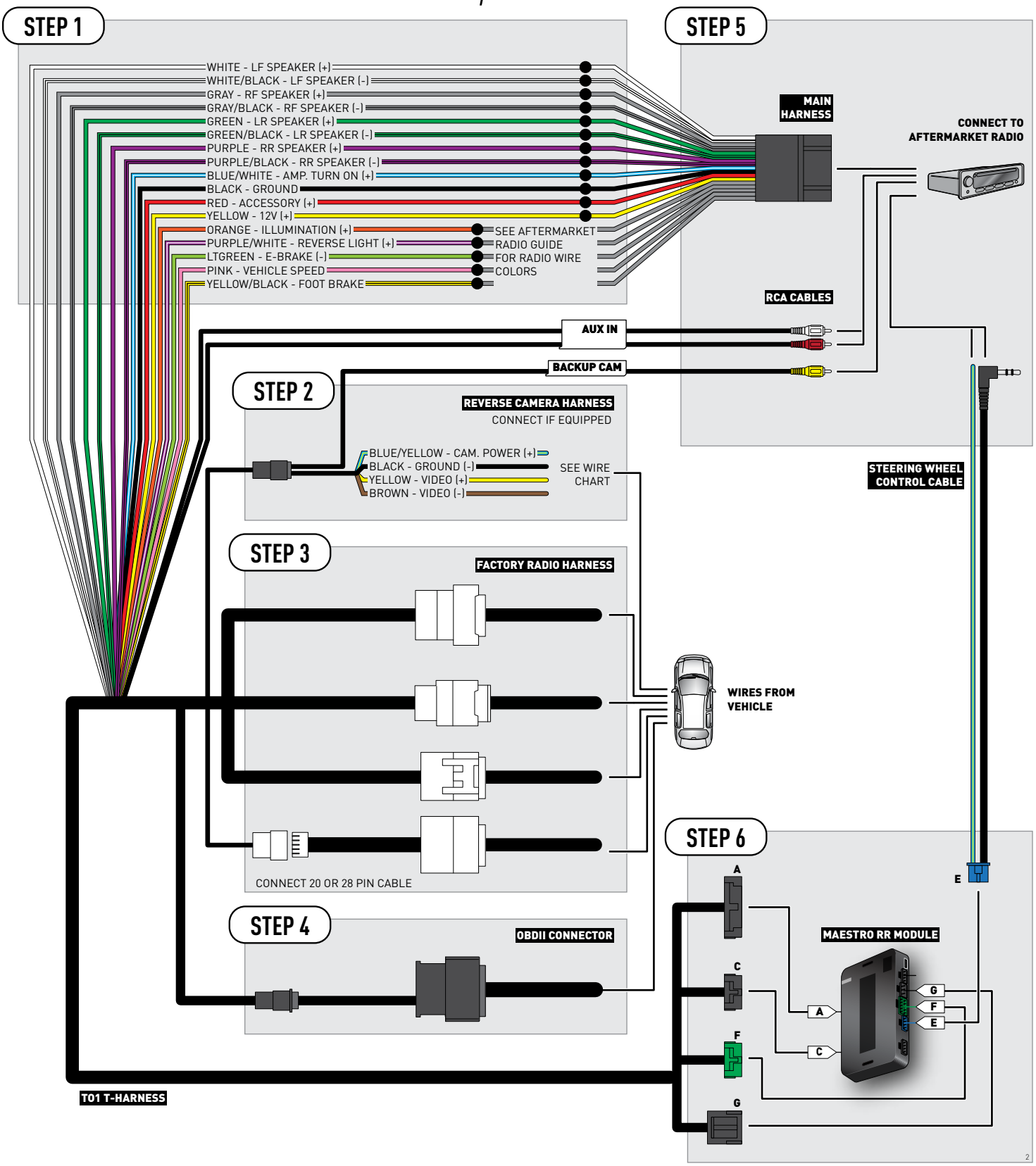

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Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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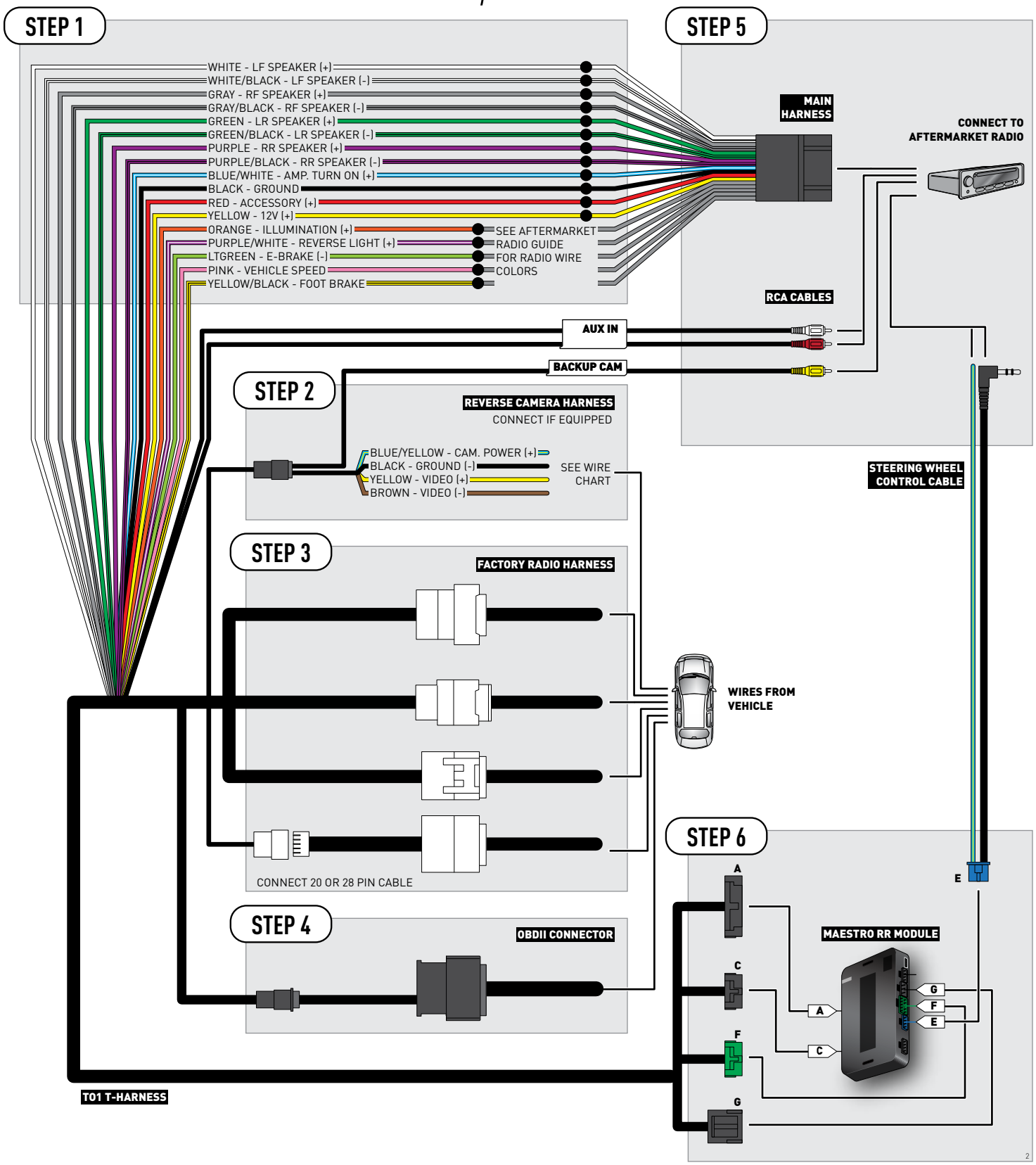
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

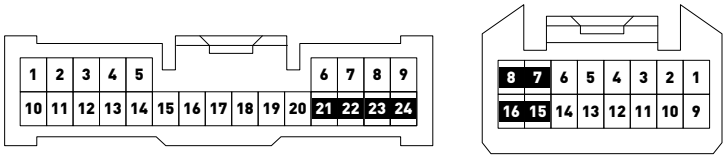
VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	White	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



INSTALL GUIDE
TOYOTA MATRIX
2013-2014

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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WELCOME

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Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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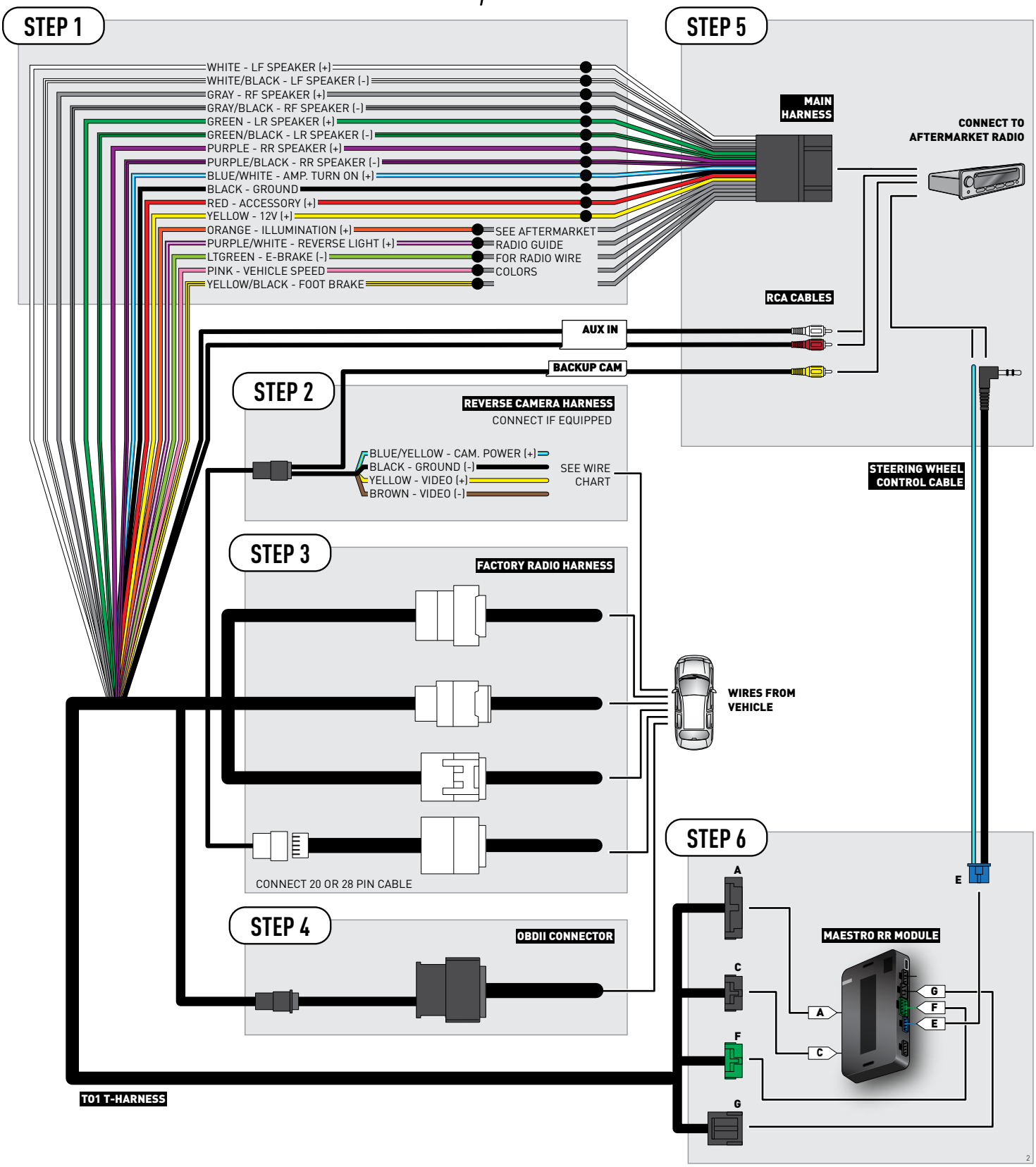
WIRING DIAGRAM *without an Amplifier*



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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA MATRIX
WITH JBL 2009-2012

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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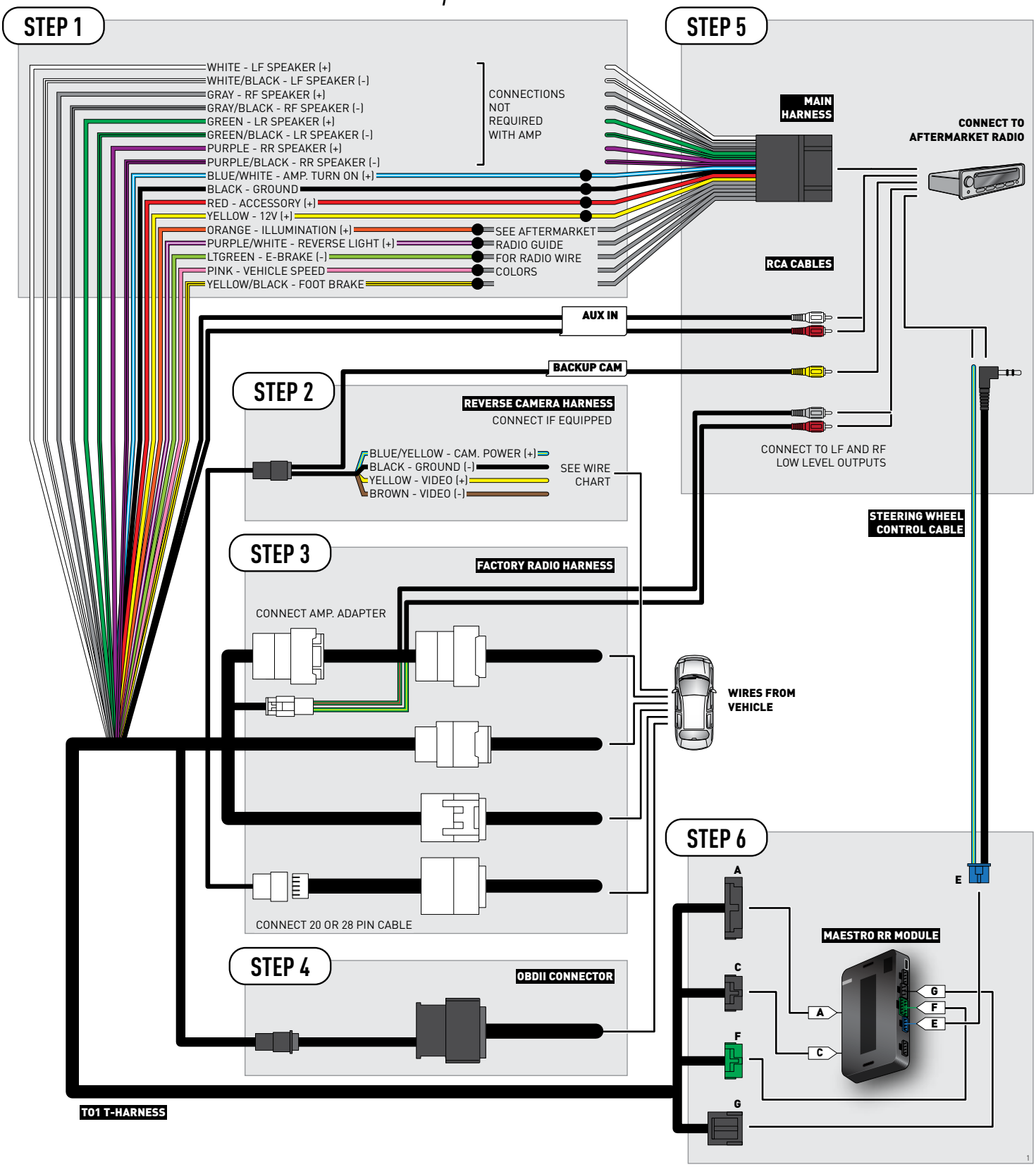
1

WIRING DIAGRAM *with an Amplifier*



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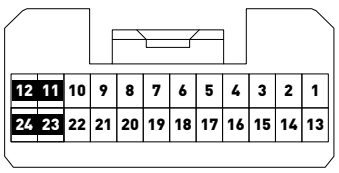
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA MATRIX
WITHOUT JBL 2009-2012

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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WELCOME

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NEED HELP?

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www.12voltdata.com/forum

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- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
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STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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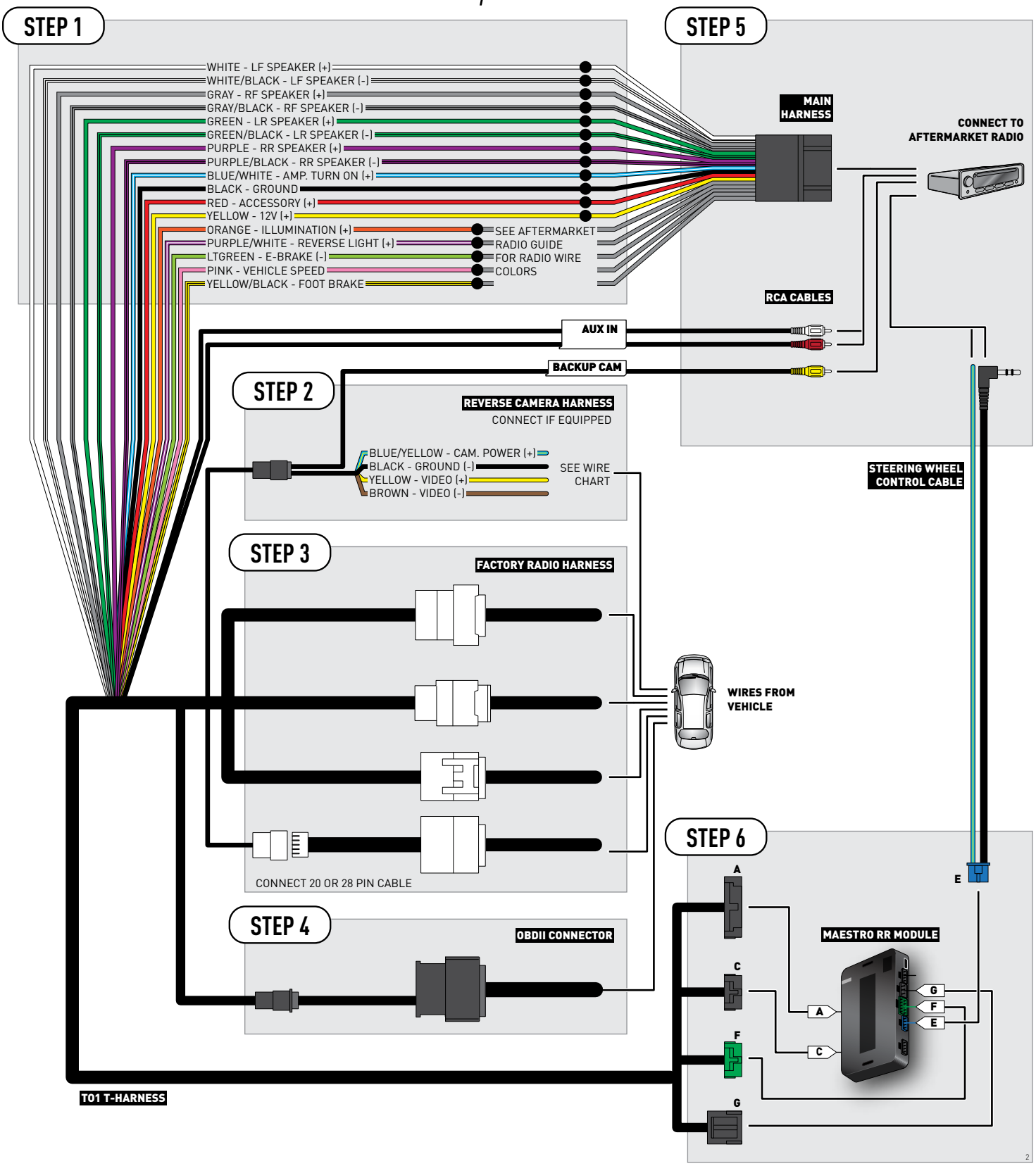
WIRING DIAGRAM *without an Amplifier*



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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
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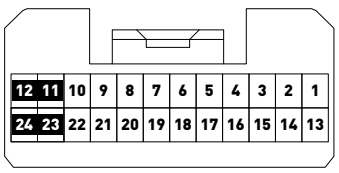
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA RAV 4
2012

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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NEED HELP?

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- Remove the factory radio.

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STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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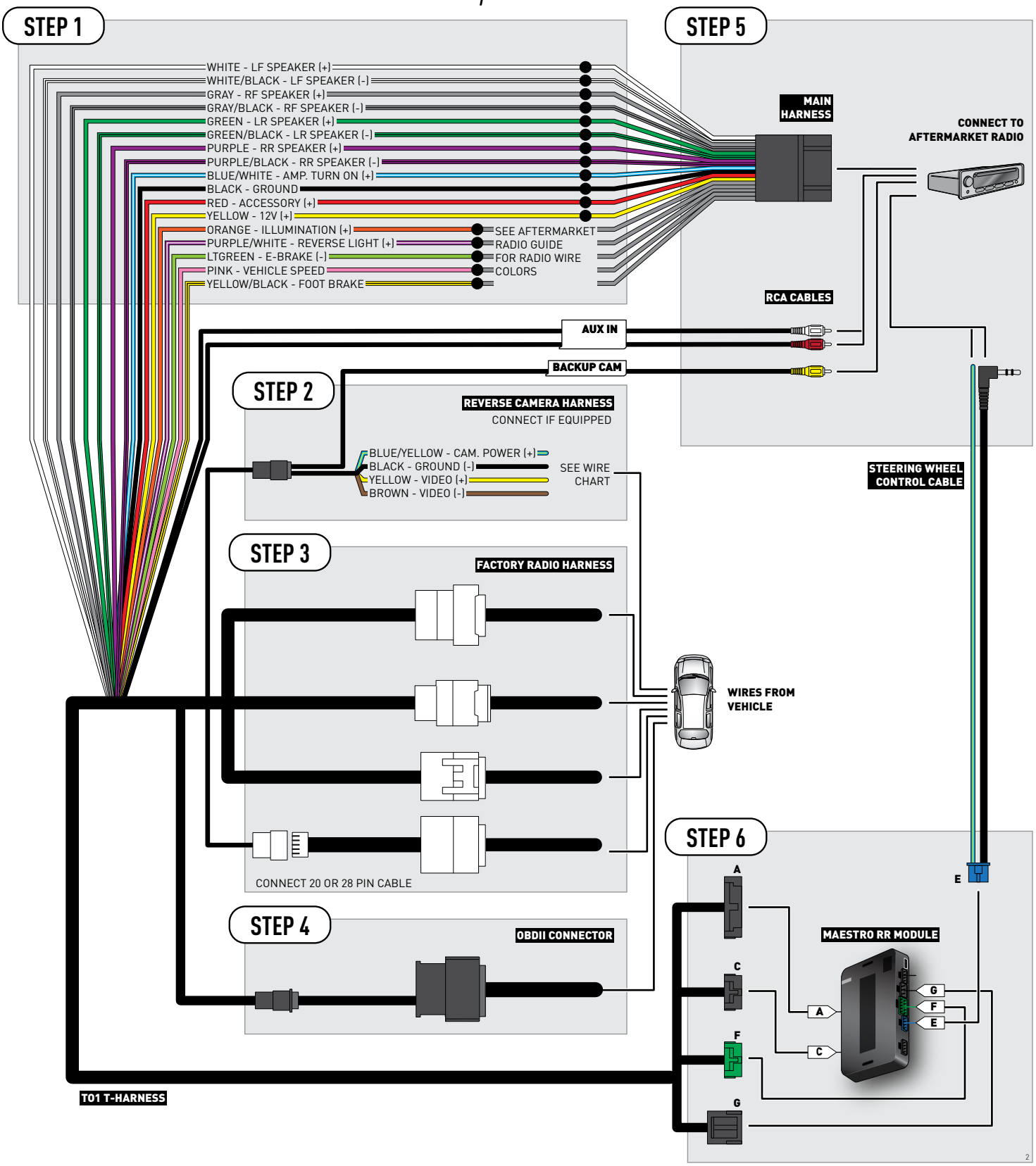
WIRING DIAGRAM *without an Amplifier*



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Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA RAV 4
WITH JBL 2006-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
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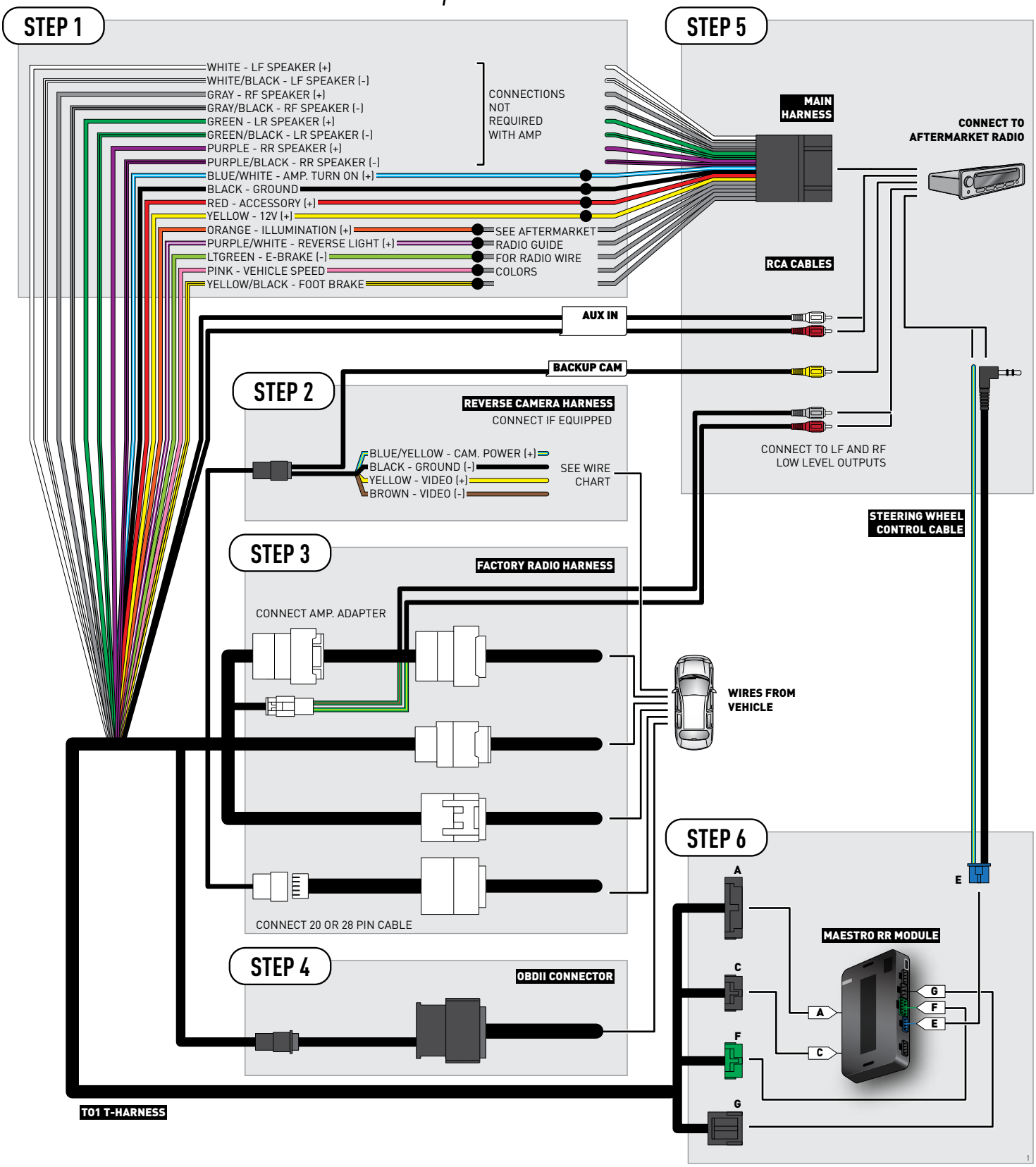
WIRING DIAGRAM *with an Amplifier*



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VEHICLE WIRE REFERENCE CHART

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INSTALL GUIDE
TOYOTA RAV 4
WITHOUT JBL 2006-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

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STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

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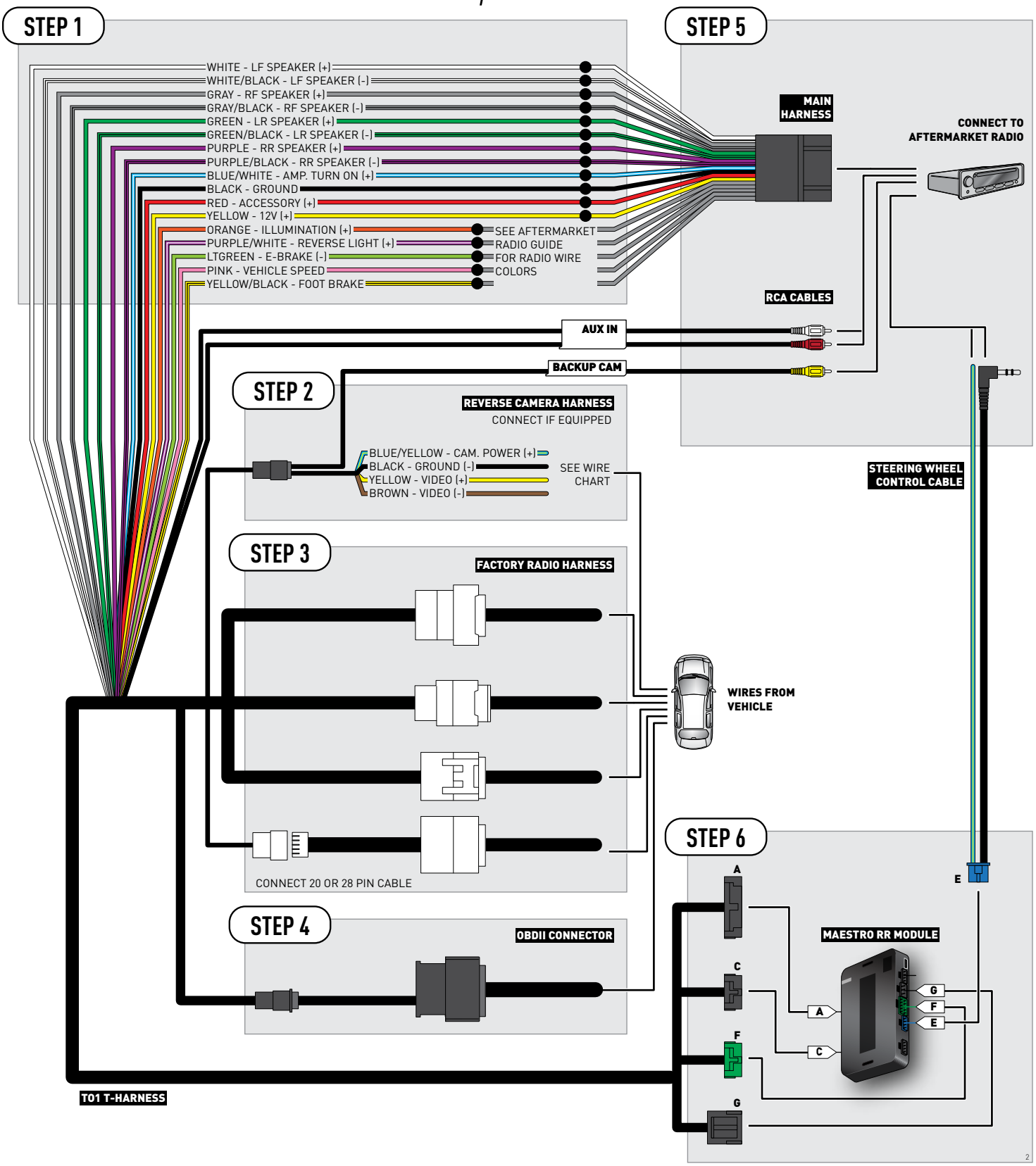
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA SEQUOIA
WITH JBL 2008-2013

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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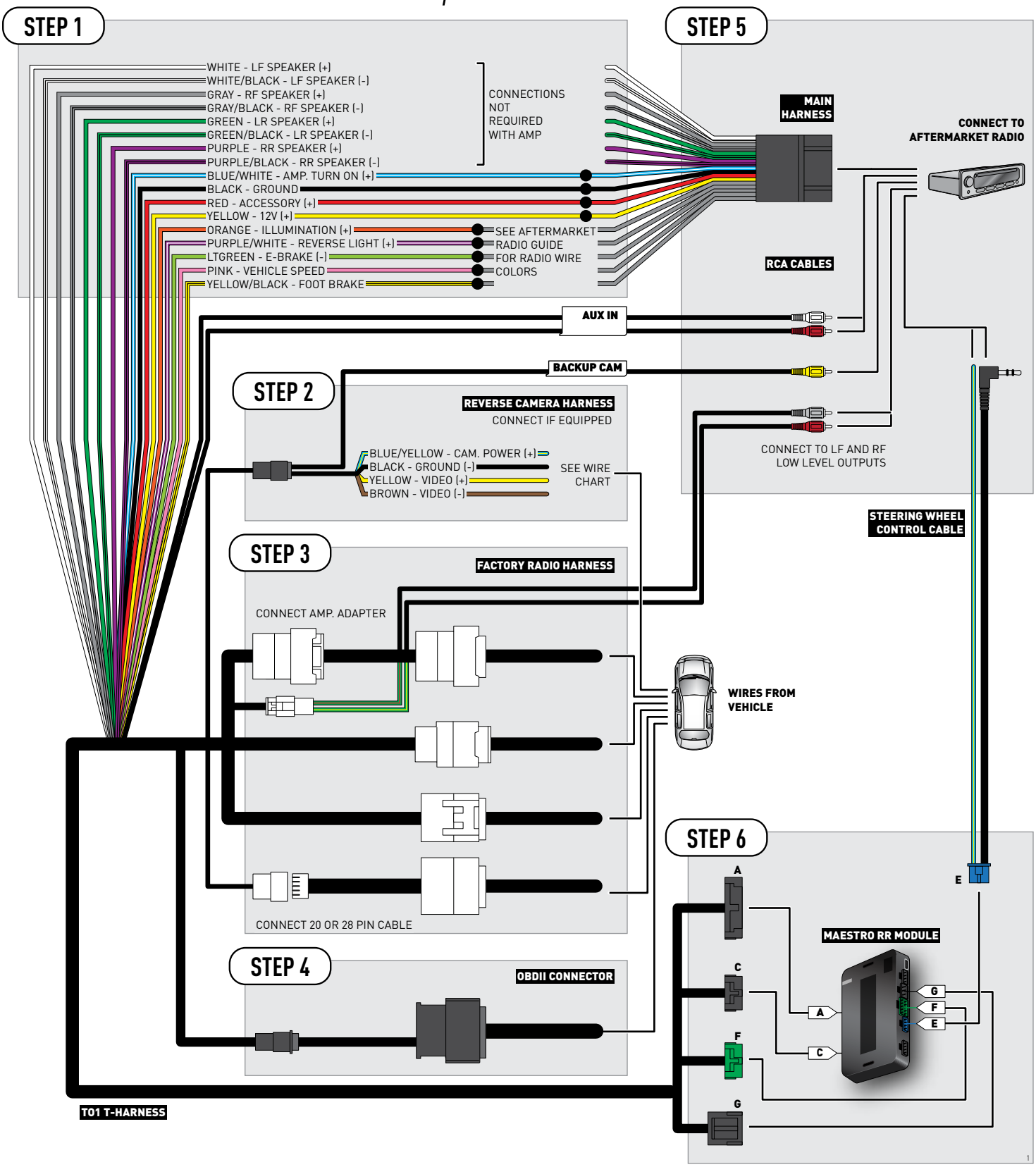
WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

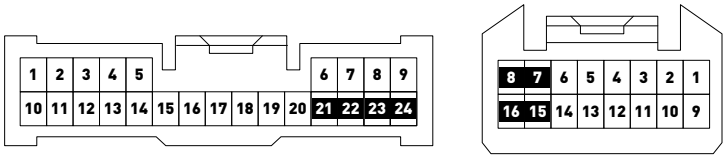
VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	White	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



INSTALL GUIDE
TOYOTA SEQUOIA
WITH JBL 2014-2017

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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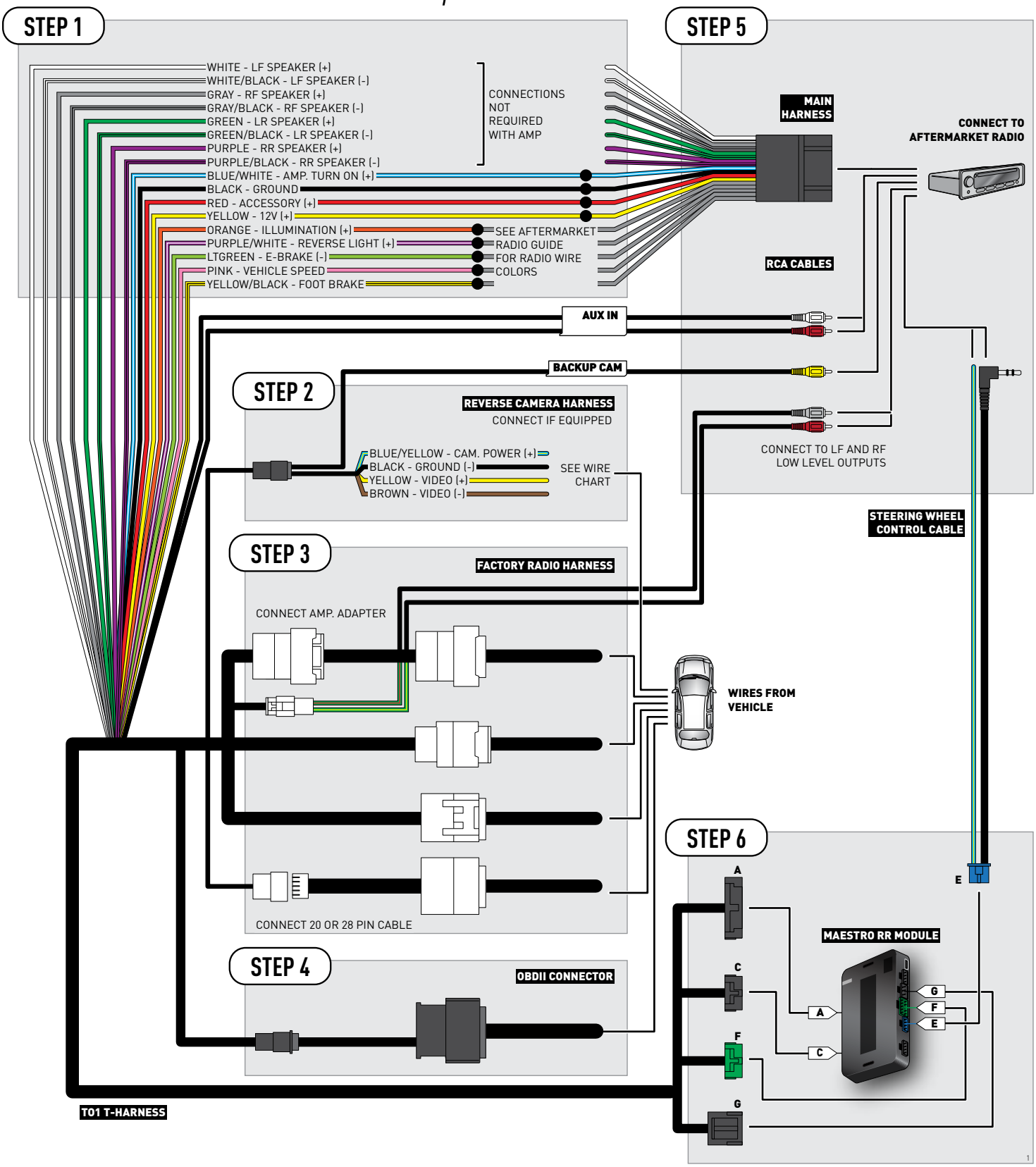
WIRING DIAGRAM *with an Amplifier*



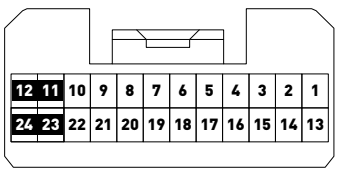
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA SEQUOIA
WITHOUT JBL 2008-2013

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

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www.12voltdata.com/forum

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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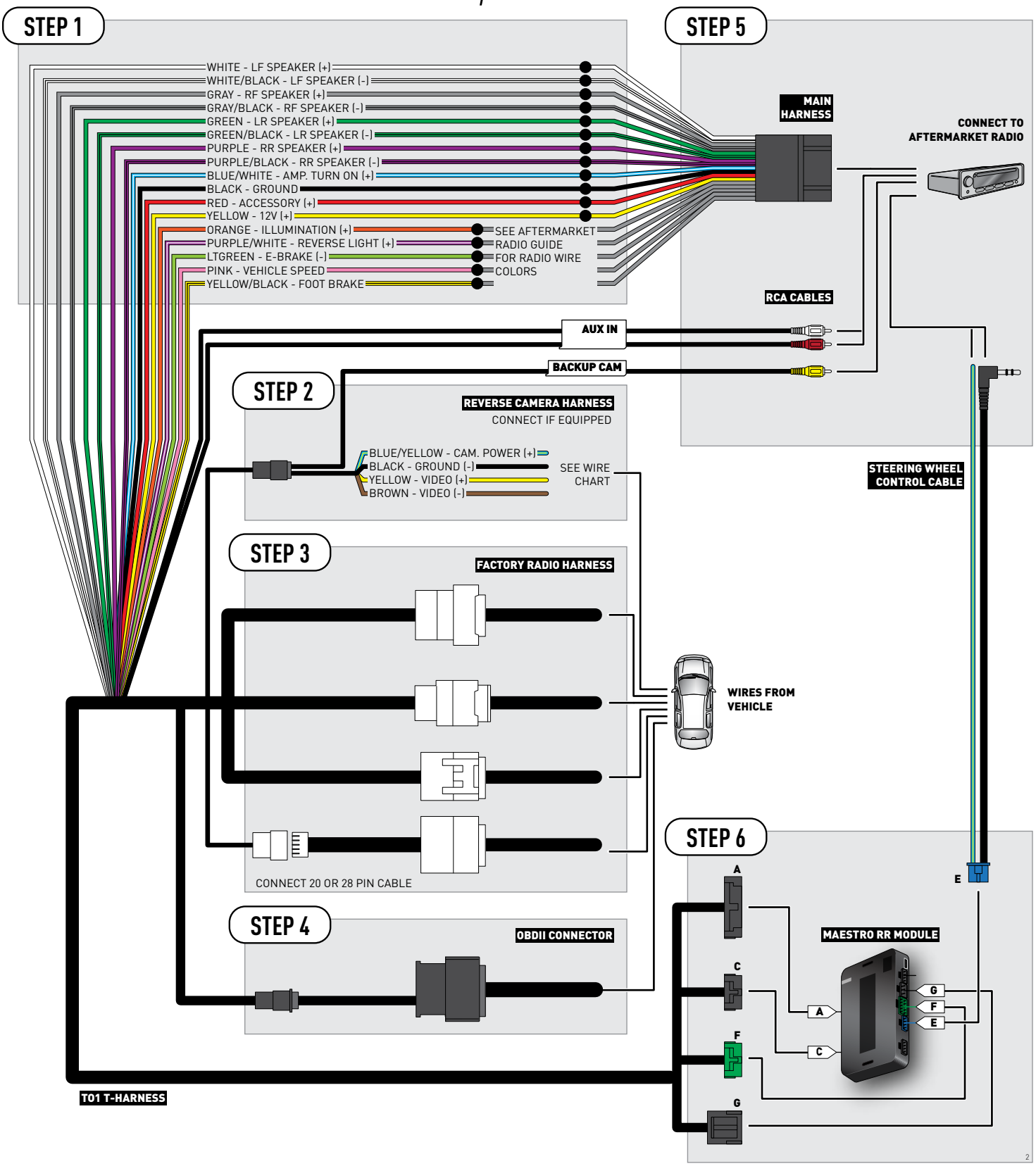
WIRING DIAGRAM *without an Amplifier*



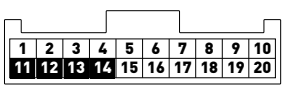
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	20 pin	13	Black	(+)	Reverse camera harness
Ground	~	~	20 pin	14	White	(-)	Reverse camera harness
Video +	~	~	20 pin	11	Red	(+)	Reverse camera harness
Video -	~	~	20 pin	12	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA SEQUOIA
WITHOUT JBL 2014-2017

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-AS

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

1 866 427-2999

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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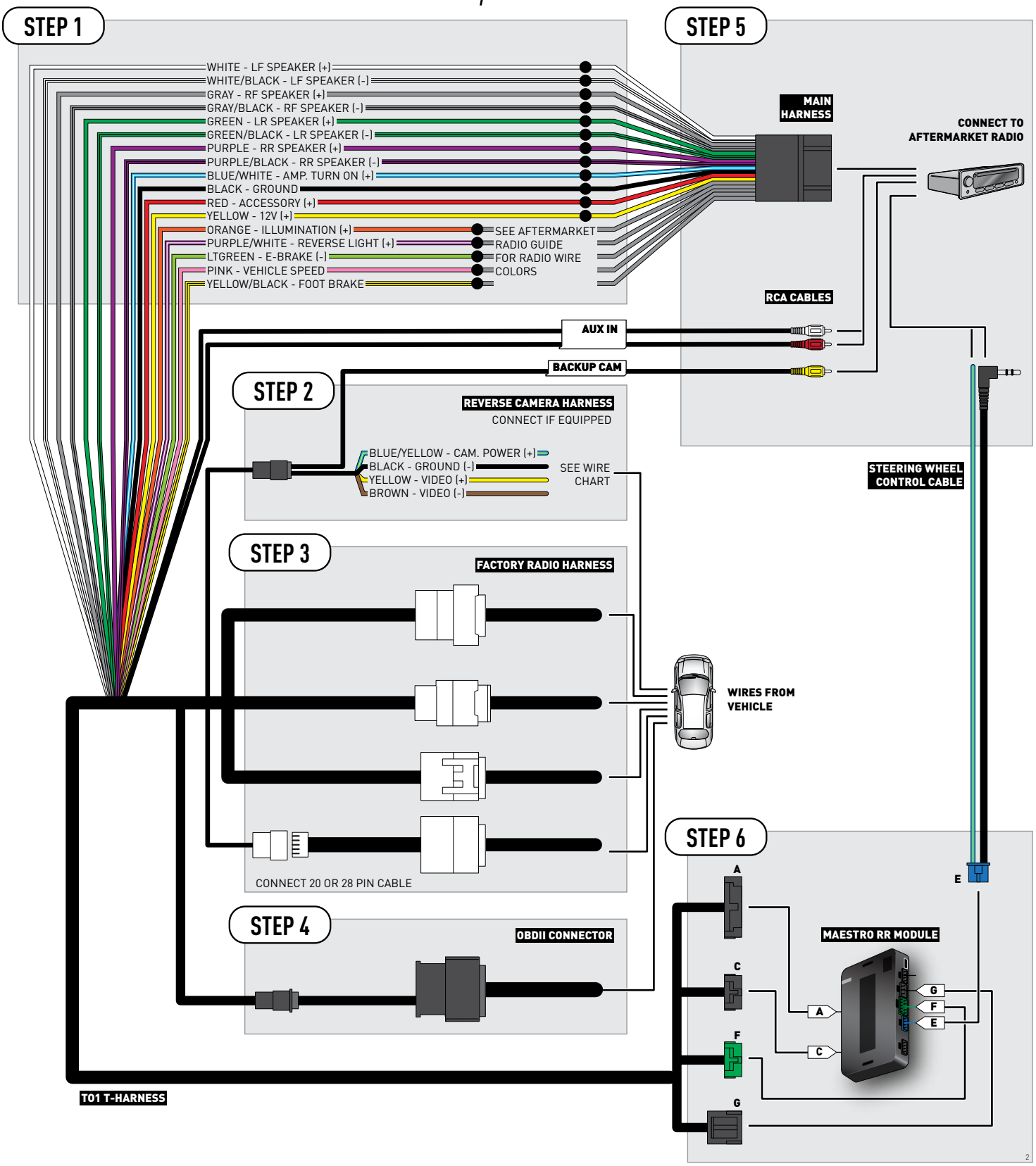
WIRING DIAGRAM *without an Amplifier*



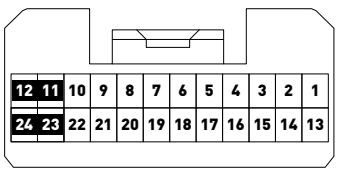
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA SIENNA
WITH JBL 2004-2010

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

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- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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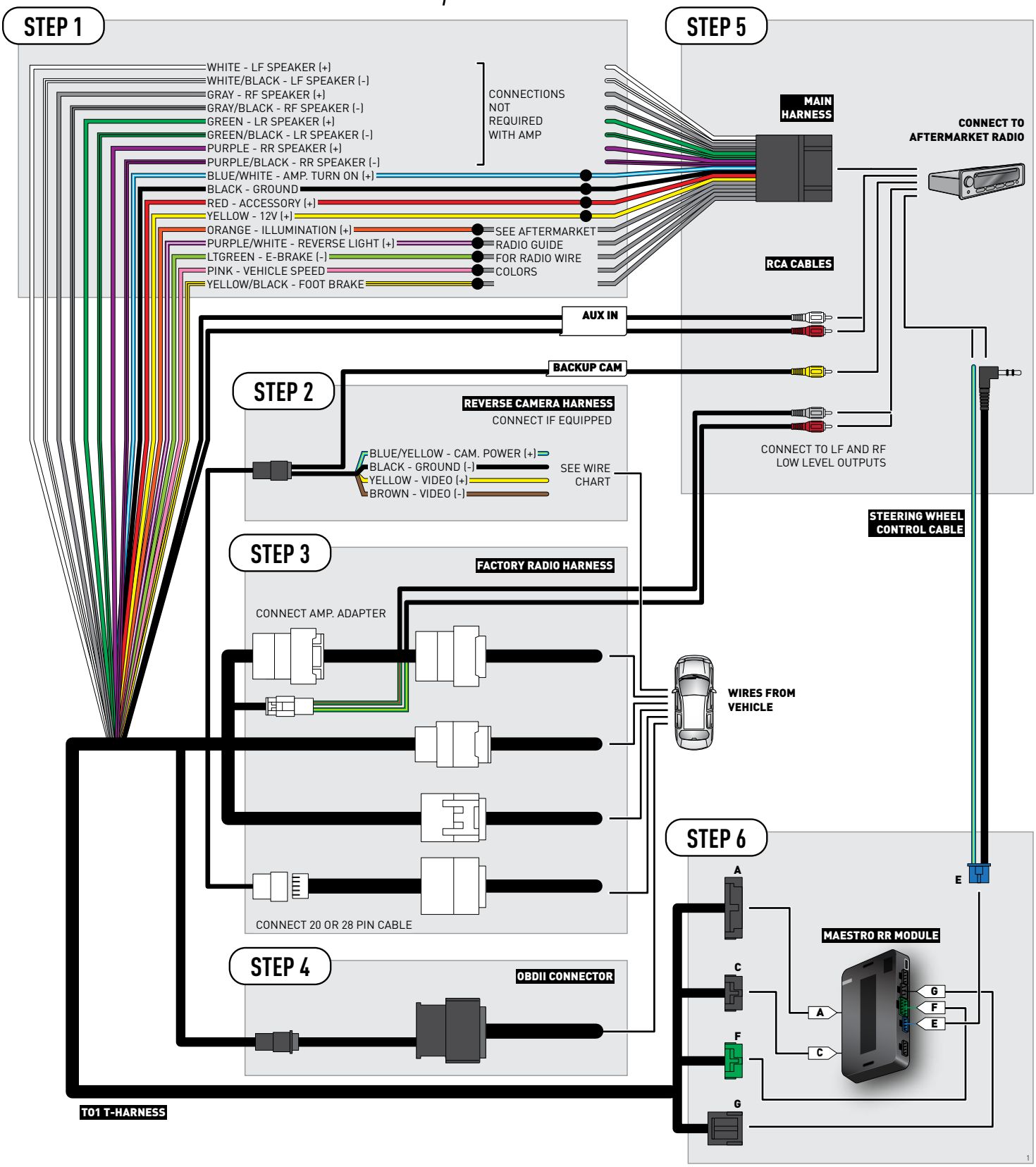
1

WIRING DIAGRAM *with an Amplifier*



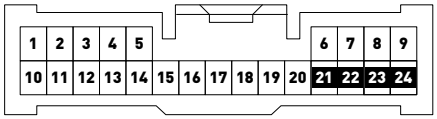
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA SIENNA
WITH JBL 2011-2014

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

  Note: The reverse camera cannot be retained in this vehicle.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

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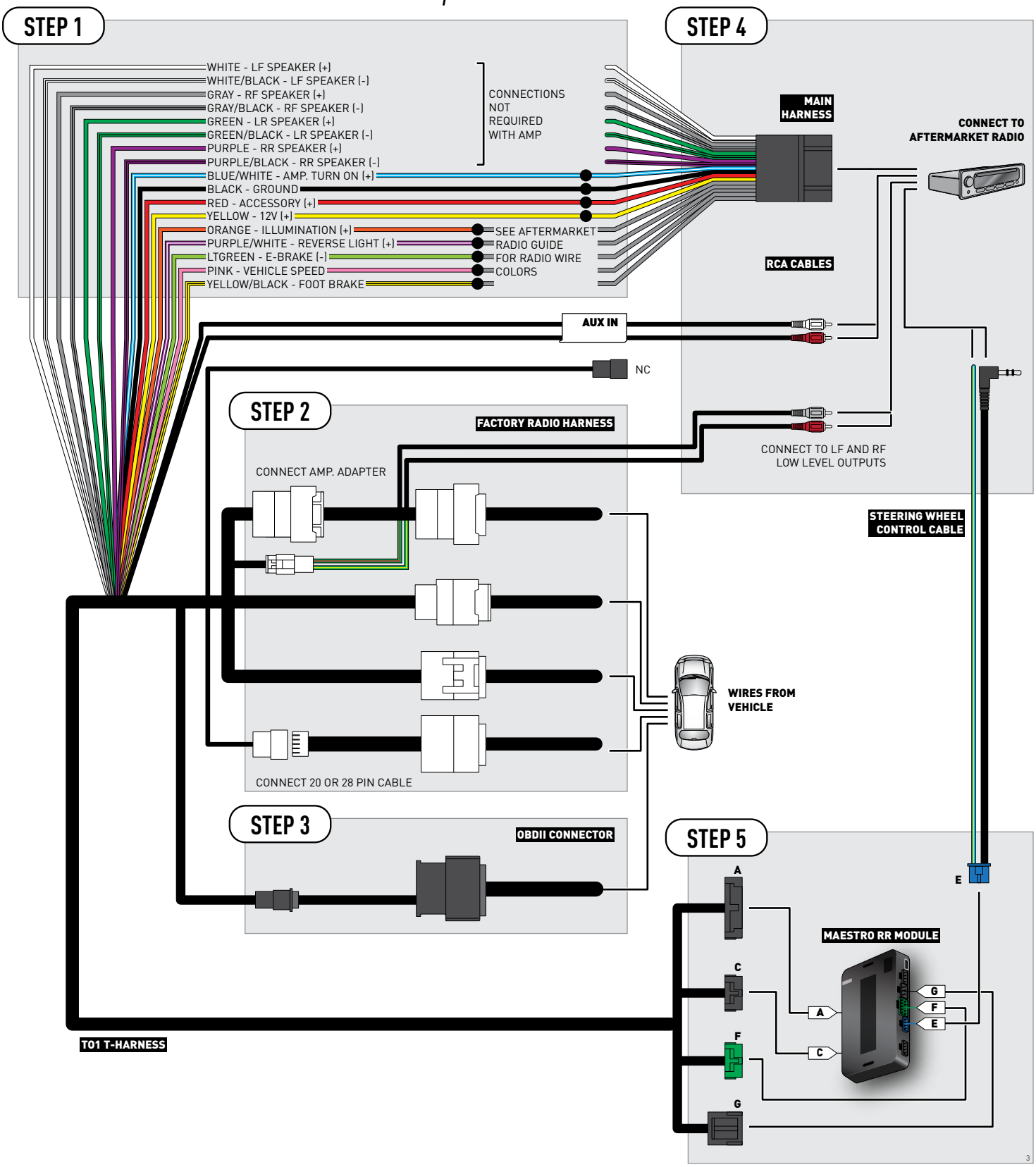
WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA SIENNA
WITHOUT JBL 2004-2010

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-AS

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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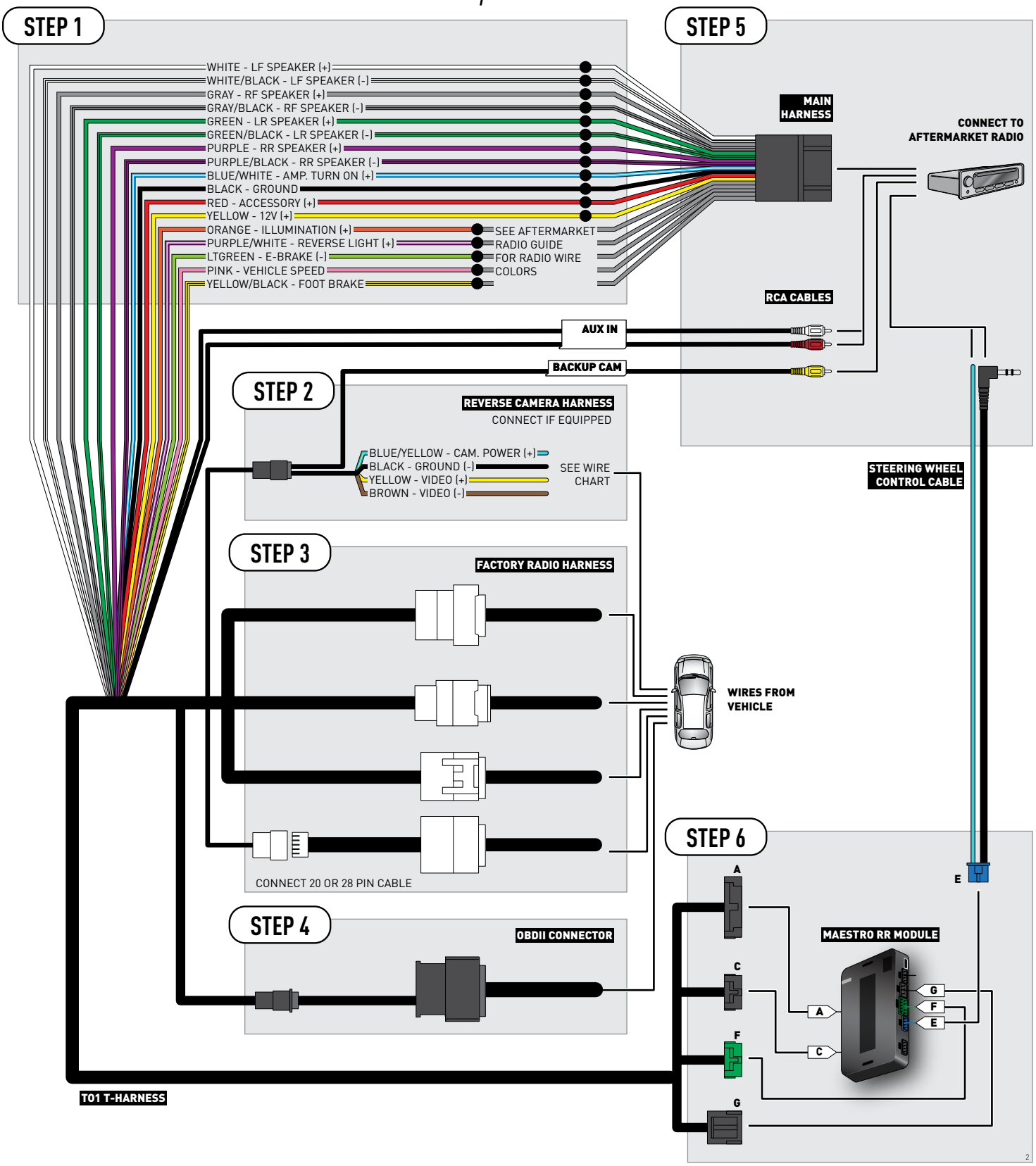
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA SIENNA
WITHOUT JBL 2011-2014

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-AS

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

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STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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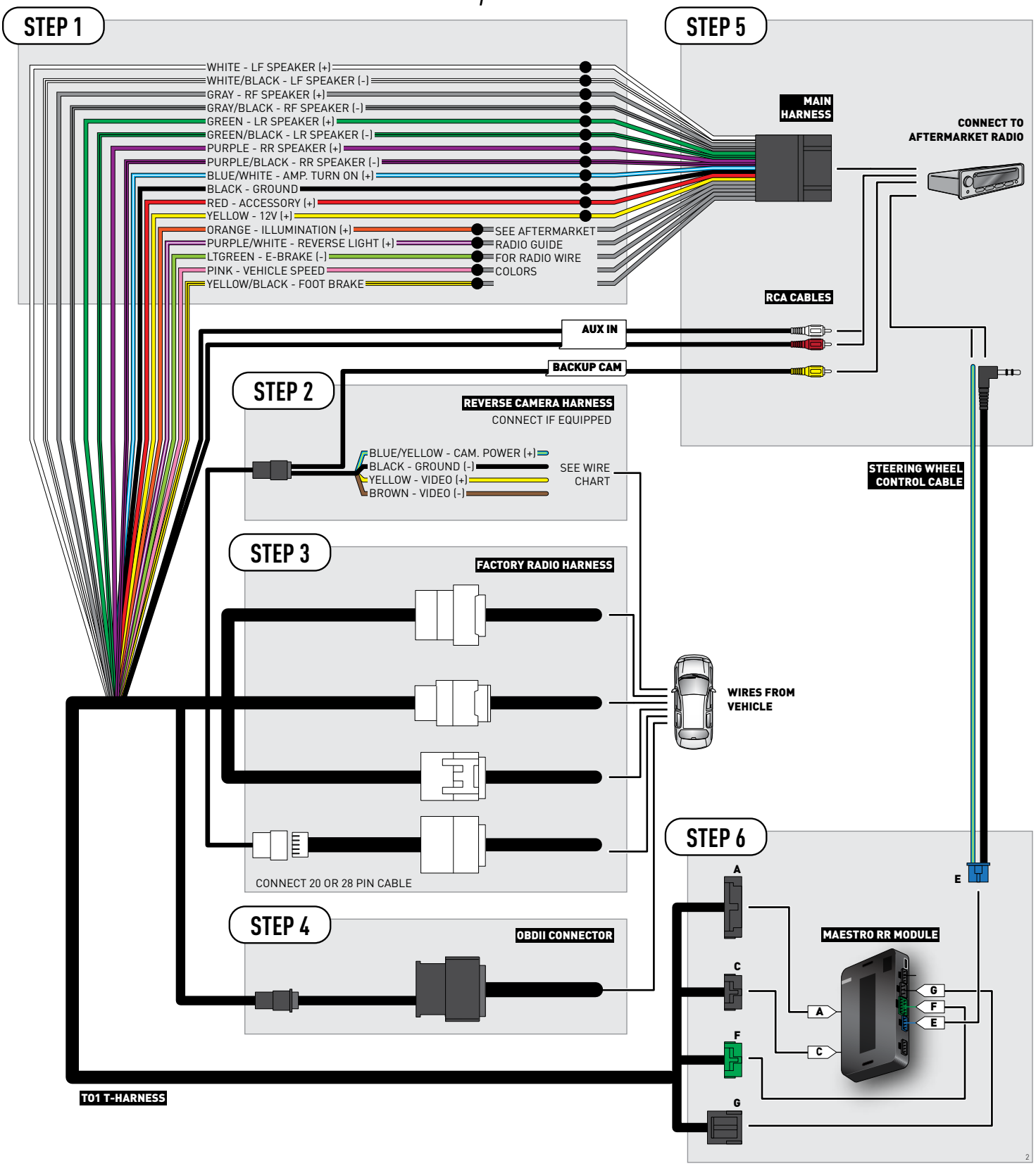
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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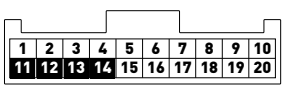
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	20 pin	13	Red	(+)	Reverse camera harness
Ground	~	~	20 pin	14	Shield	(-)	Reverse camera harness
Video +	~	~	20 pin	11	Black	(+)	Reverse camera harness
Video -	~	~	20 pin	12	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA TACOMA
WITH JBL 2005-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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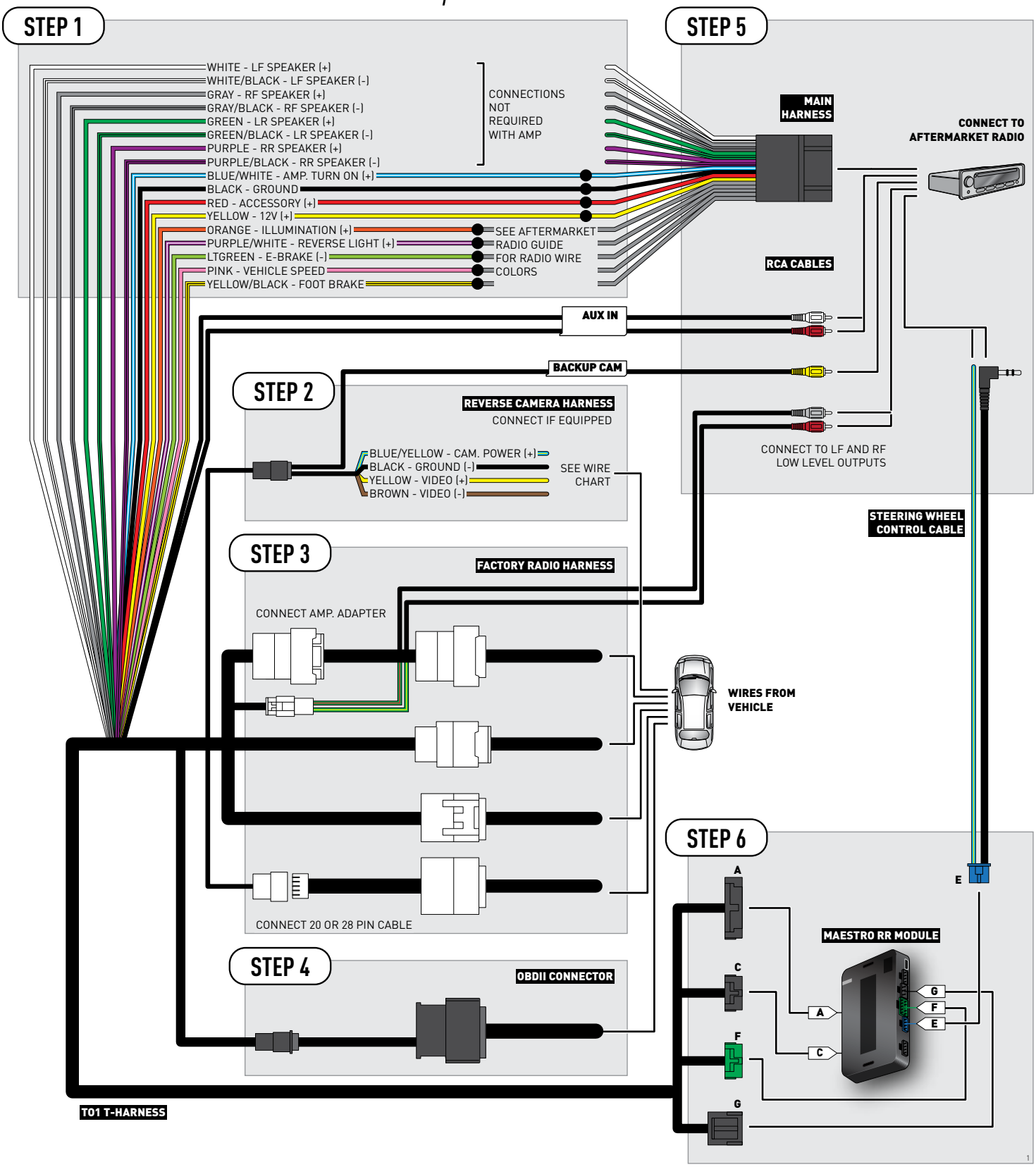
1

WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA TACOMA
WITH JBL 2012-2013

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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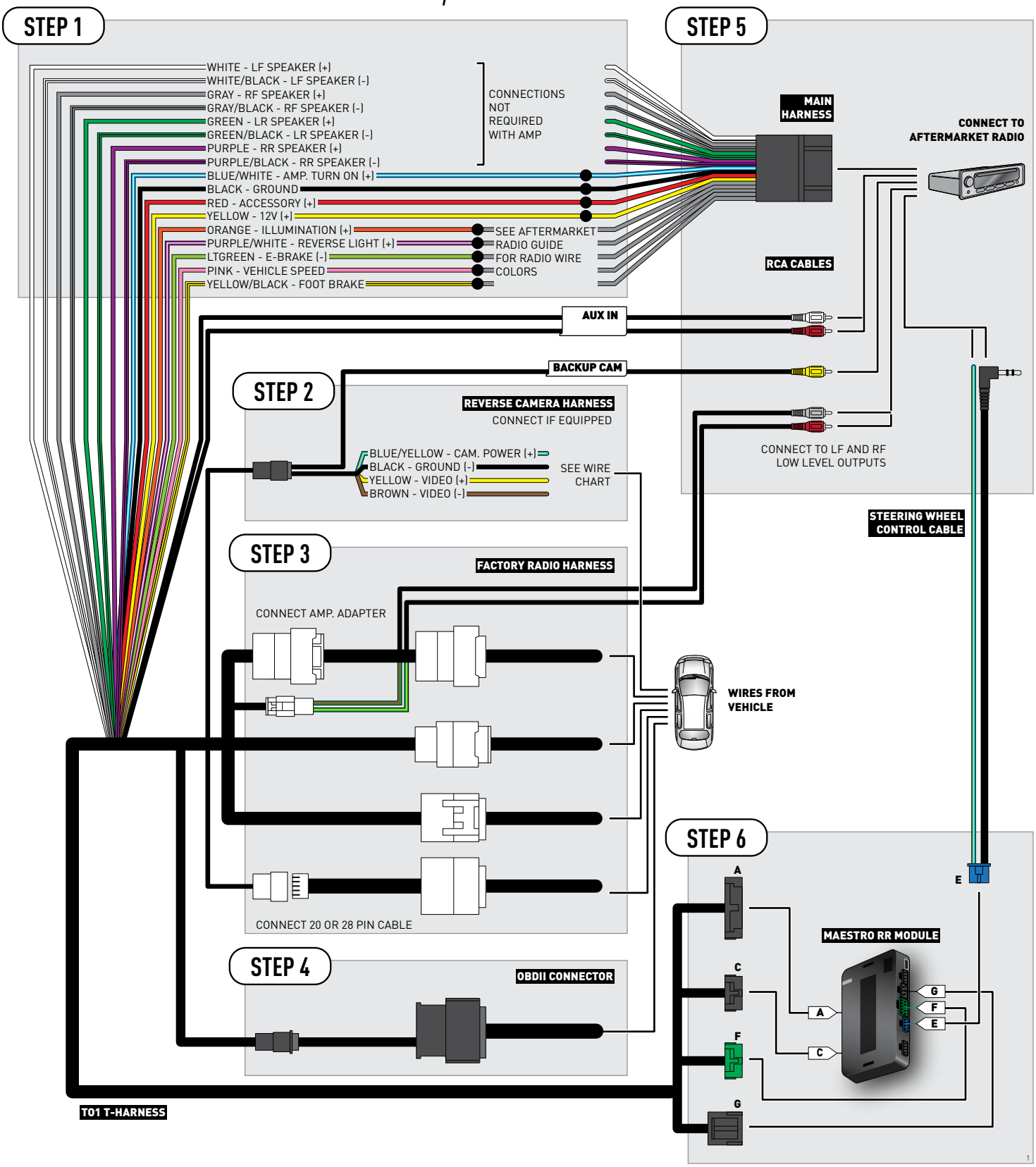

RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

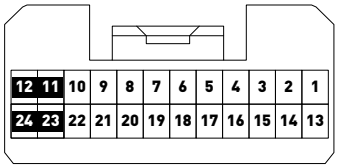
VEHICLE WIRE REFERENCE CHART

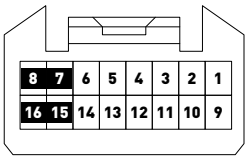
Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)





INSTALL GUIDE
TOYOTA TACOMA
WITH JBL 2014-2015

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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NEED HELP?

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut RCA wires from amp. adapter and connect them to matching wires of TO1 t-harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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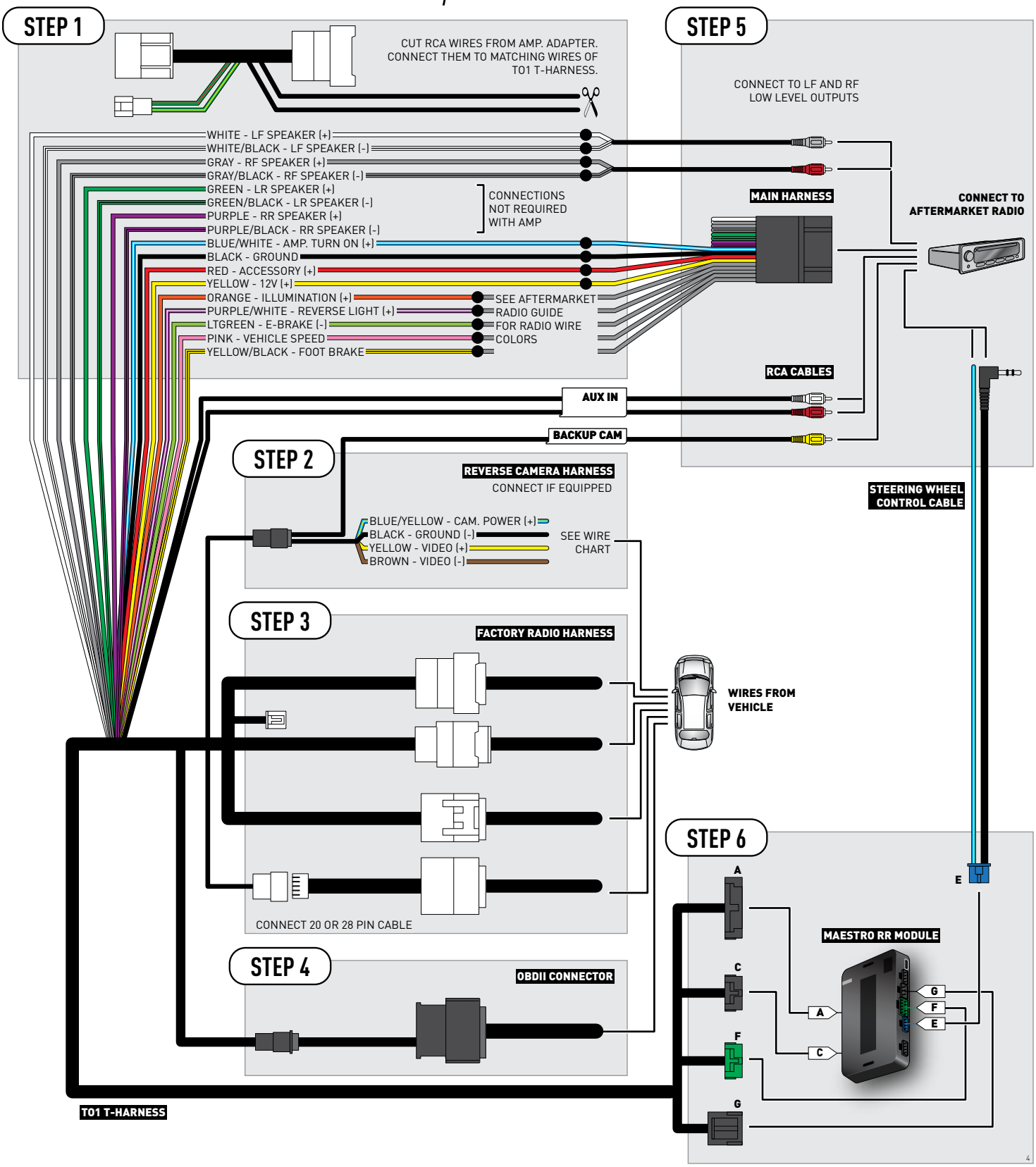
WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
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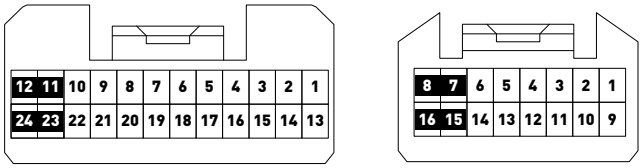
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



INSTALL GUIDE
TOYOTA TACOMA
WITHOUT JBL 2005-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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WELCOME

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Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

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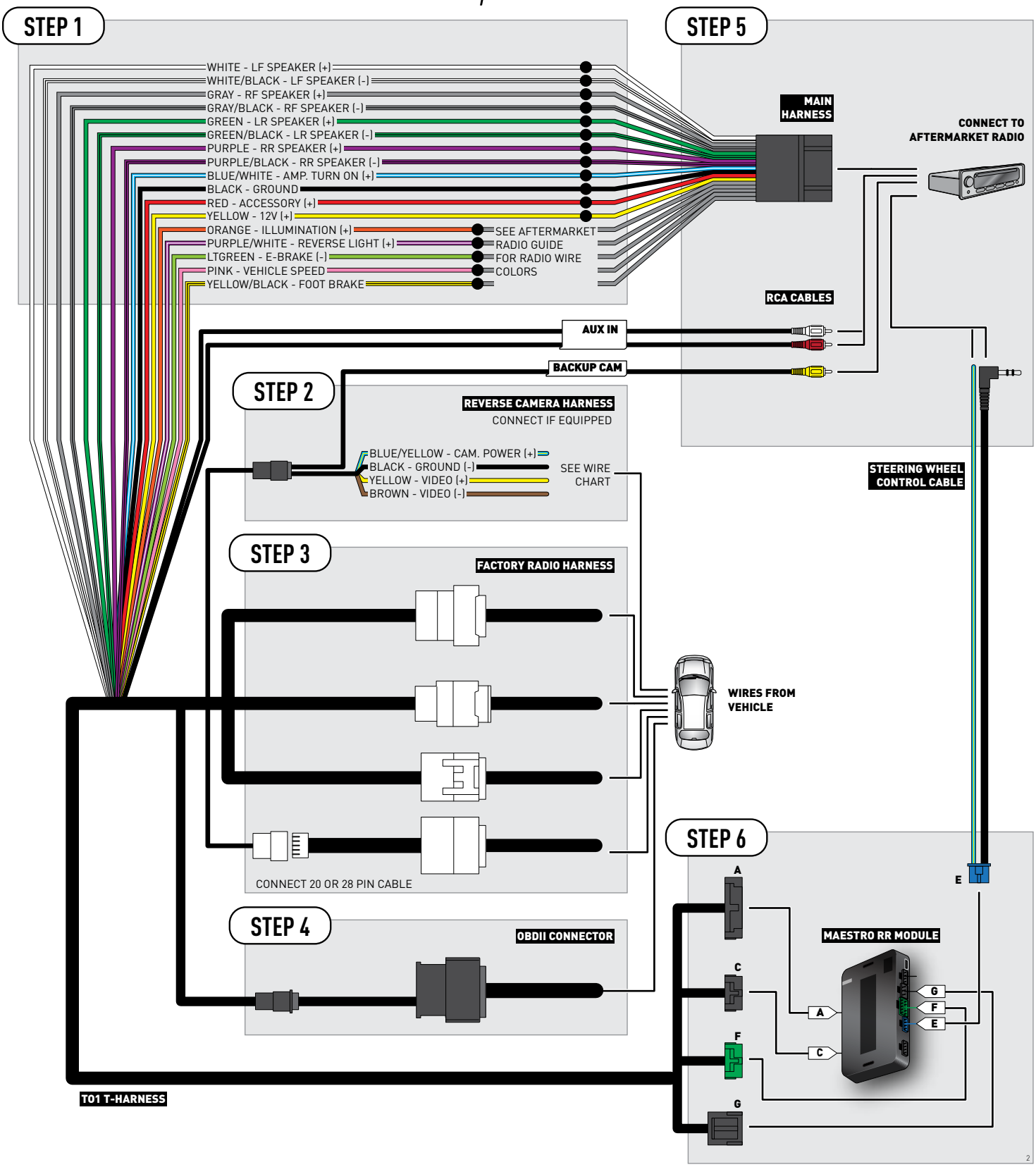
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA TACOMA
WITHOUT JBL 2012-2015

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-AS

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

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NEED HELP?

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

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- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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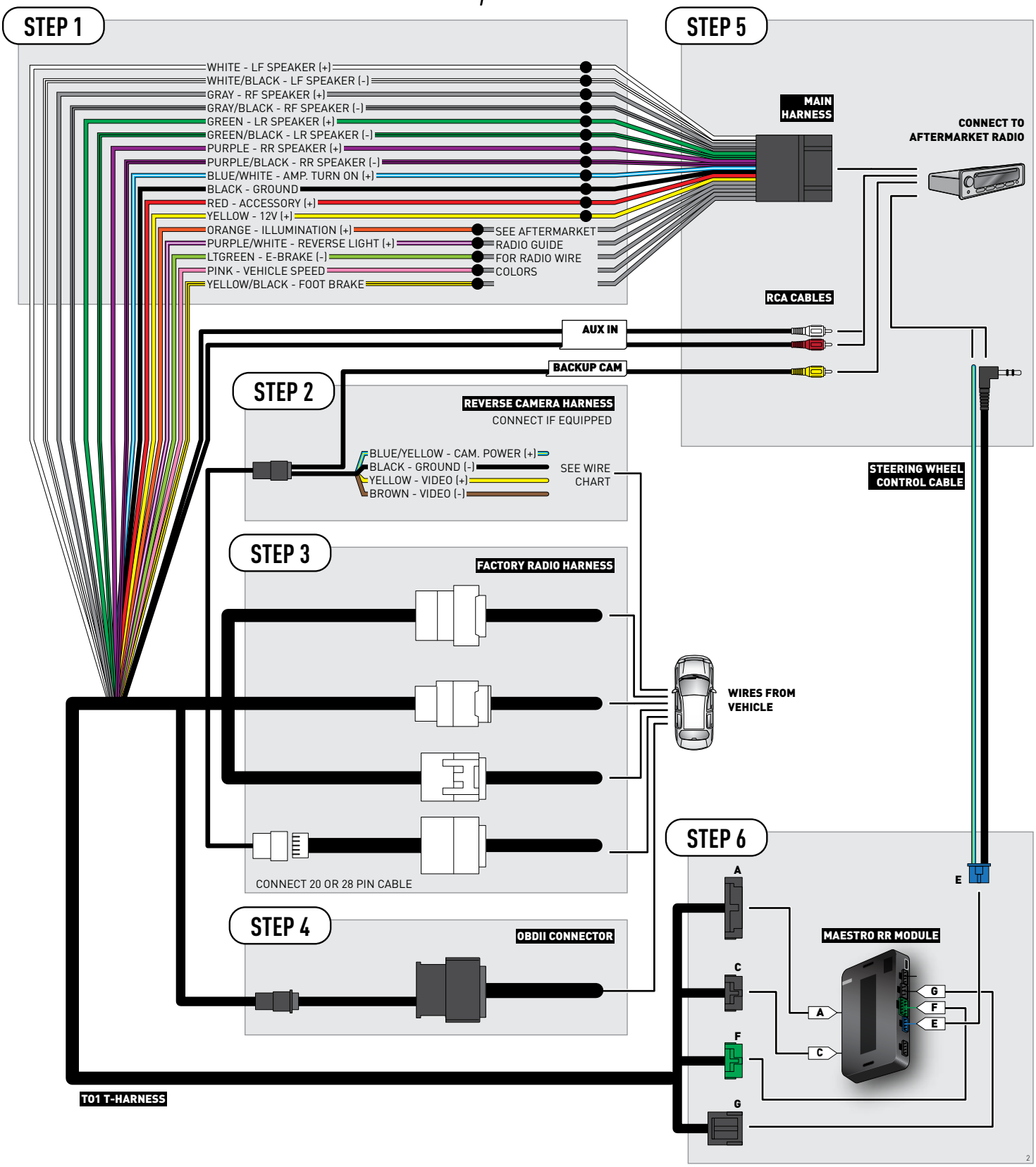
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

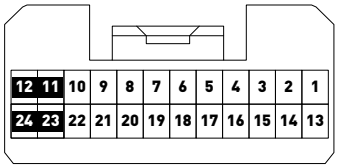
VEHICLE WIRE REFERENCE CHART

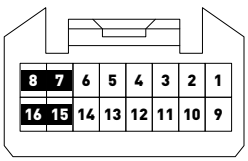
Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)





INSTALL GUIDE
TOYOTA TUNDRA
WITH JBL 2007-2013

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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WELCOME

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

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- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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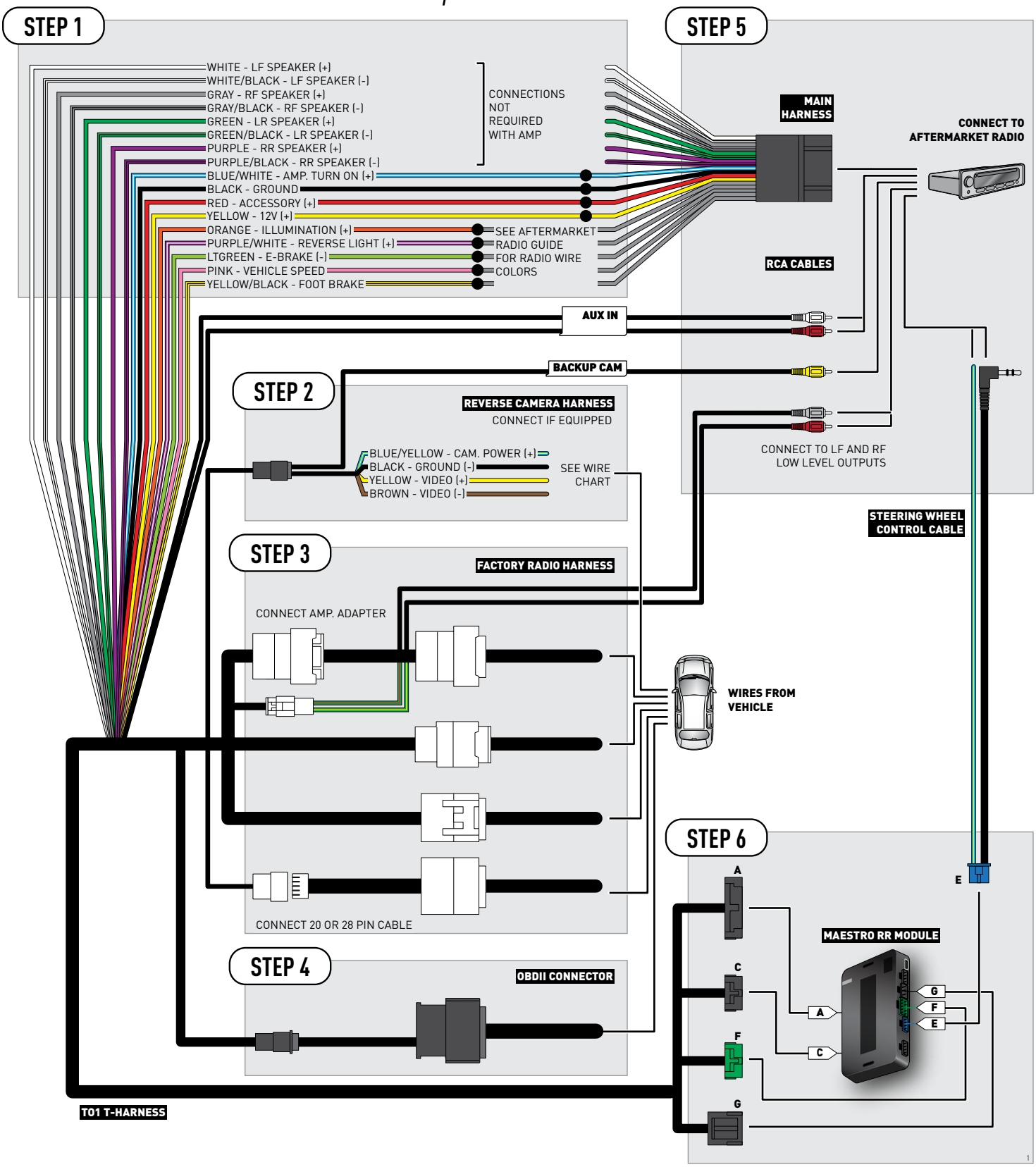
1

WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

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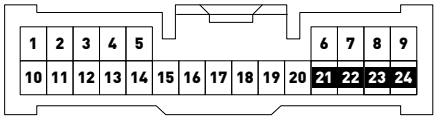
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA TUNDRA
WITHOUT JBL 2007-2013

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-AS

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

1 866 427-2999

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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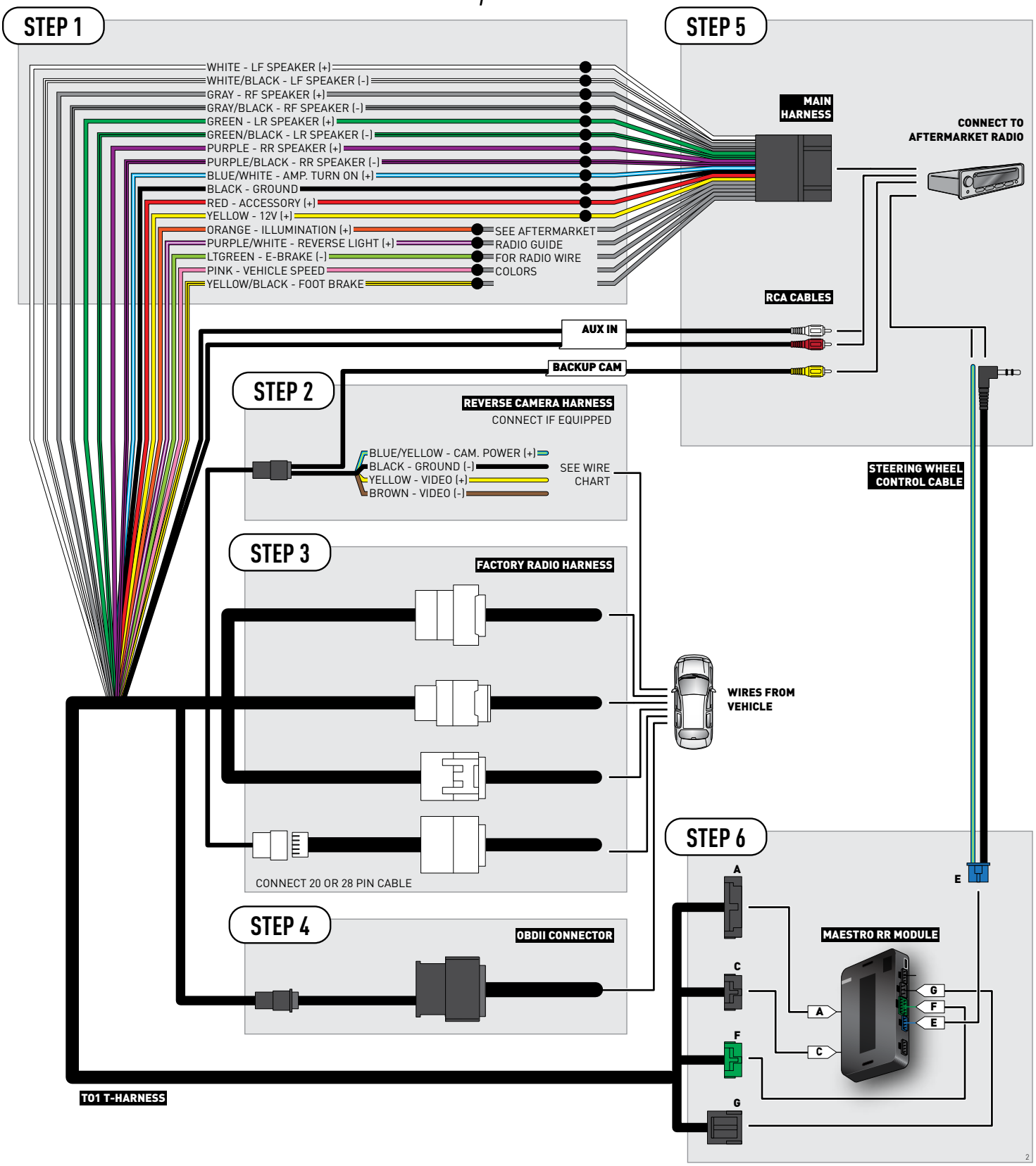
WIRING DIAGRAM *without an Amplifier*



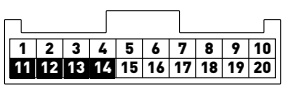
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	20 pin	13	Black	(+)	Reverse camera harness
Ground	~	~	20 pin	14	White	(-)	Reverse camera harness
Video +	~	~	20 pin	11	Red	(+)	Reverse camera harness
Video -	~	~	20 pin	12	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA VENZA
WITH JBL 2009-2012

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
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- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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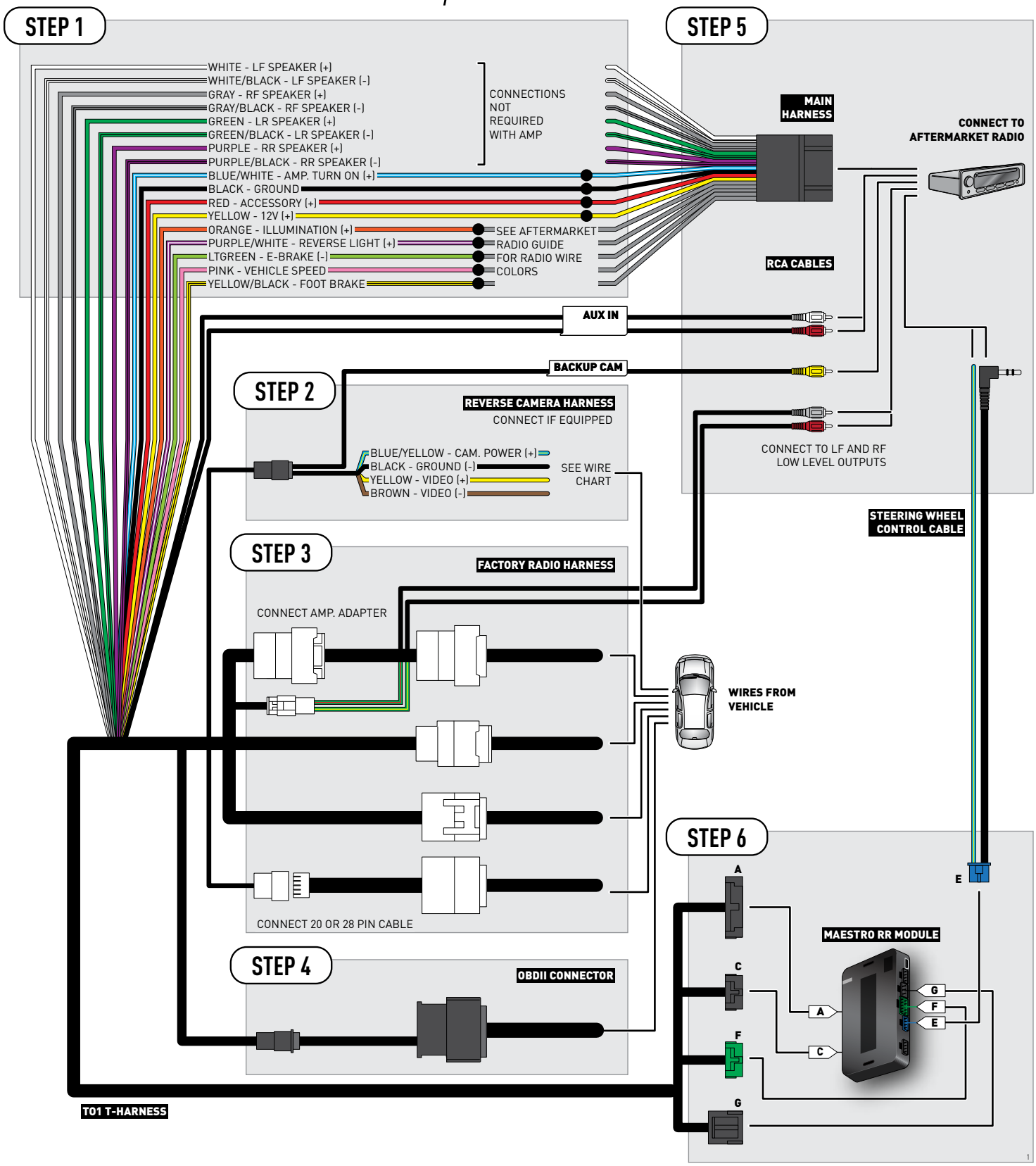
WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
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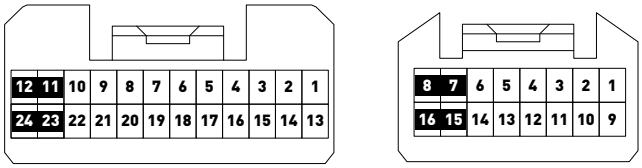
REVERSE CAMERA CONNECTORS (WIRE SIDE)



INSTALL GUIDE
TOYOTA VENZA
WITH JBL 2013-2014

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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- Plug the steering wheel control cable into the aftermarket radio.

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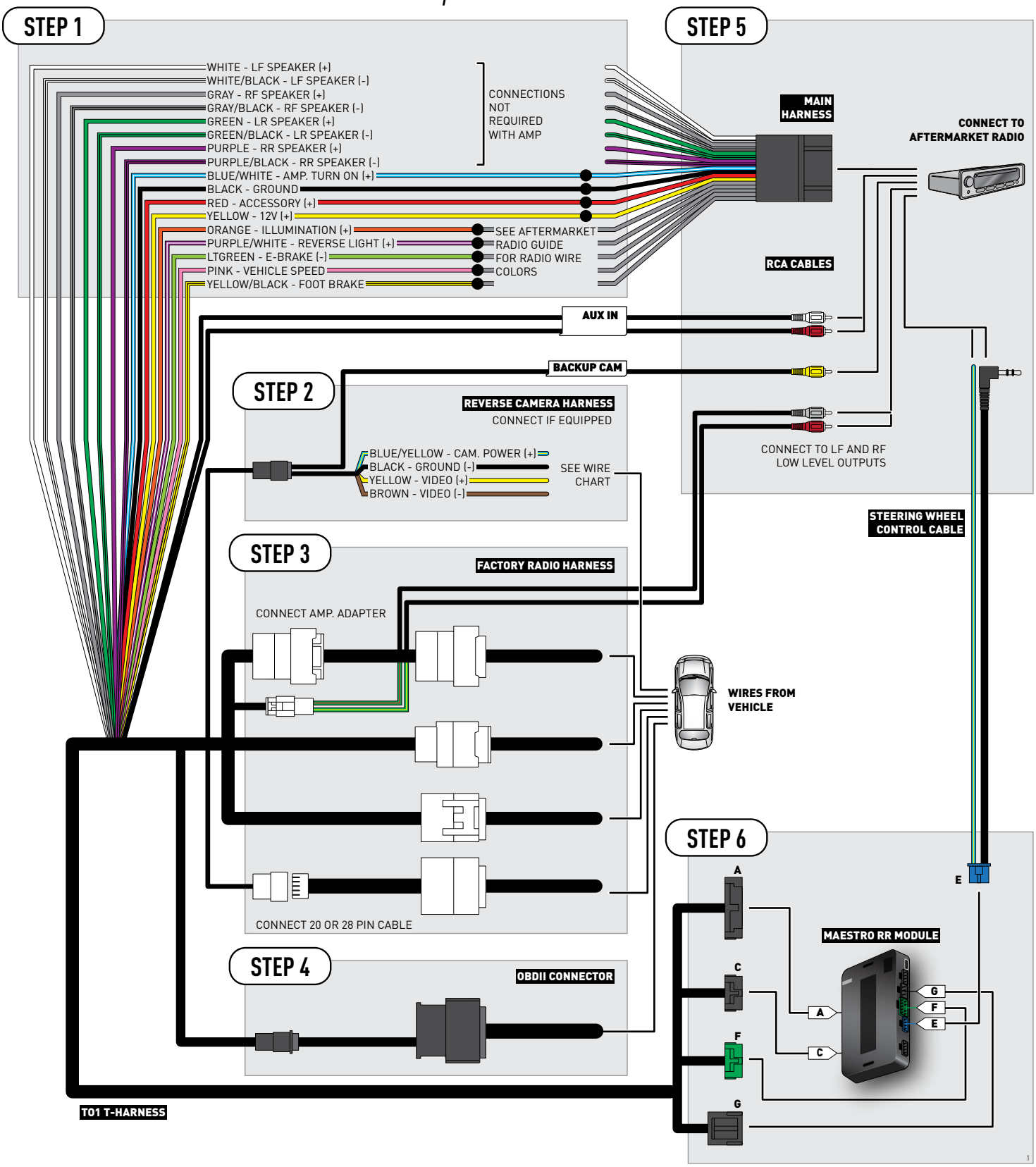
WIRING DIAGRAM *with an Amplifier*



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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

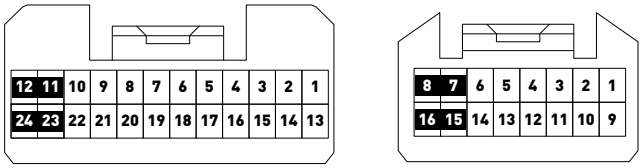
VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



INSTALL GUIDE
TOYOTA VENZA
WITHOUT JBL 2009-2012

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-AS

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

1 866 427-2999

support@idatalink.com

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

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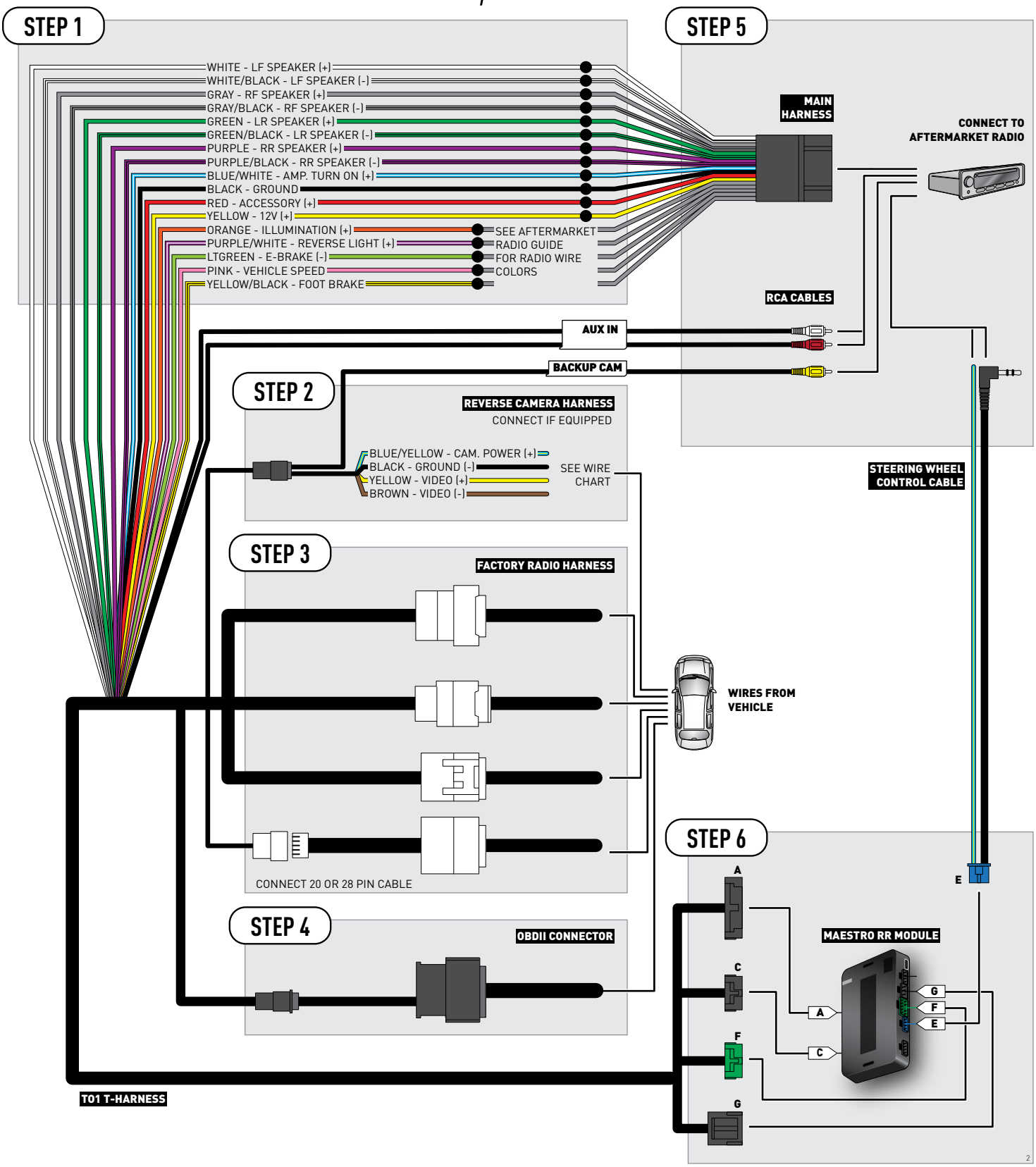
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA VENZA
WITHOUT JBL 2013-2014

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-AS

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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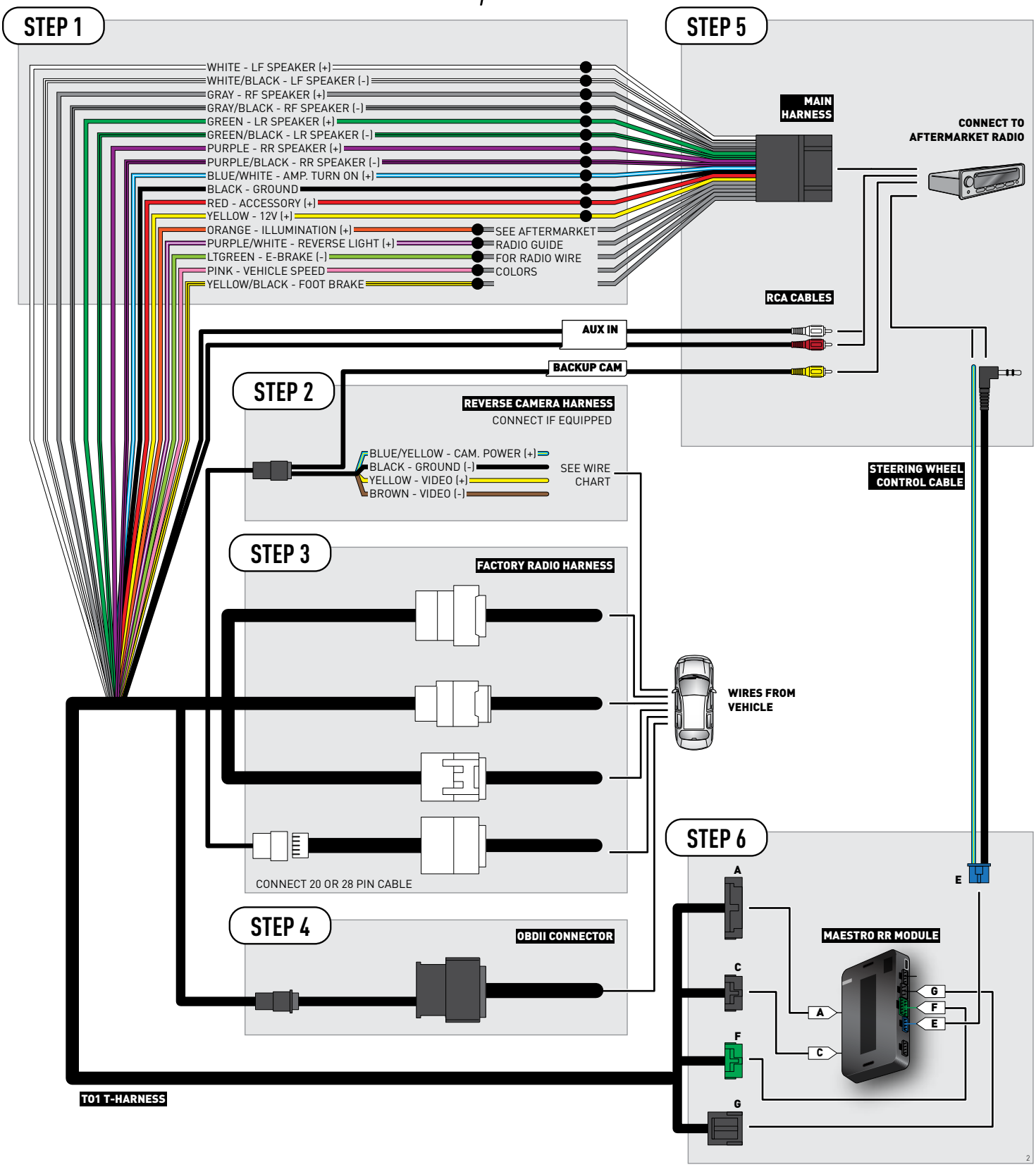
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

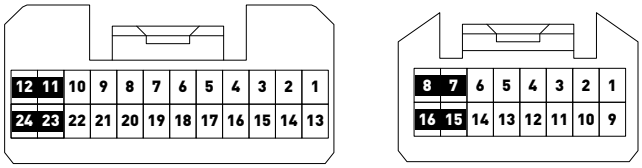
VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



INSTALL GUIDE
TOYOTA YARIS
2007-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

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maestro.idatalink.com/support
www.12voltdata.com/forum

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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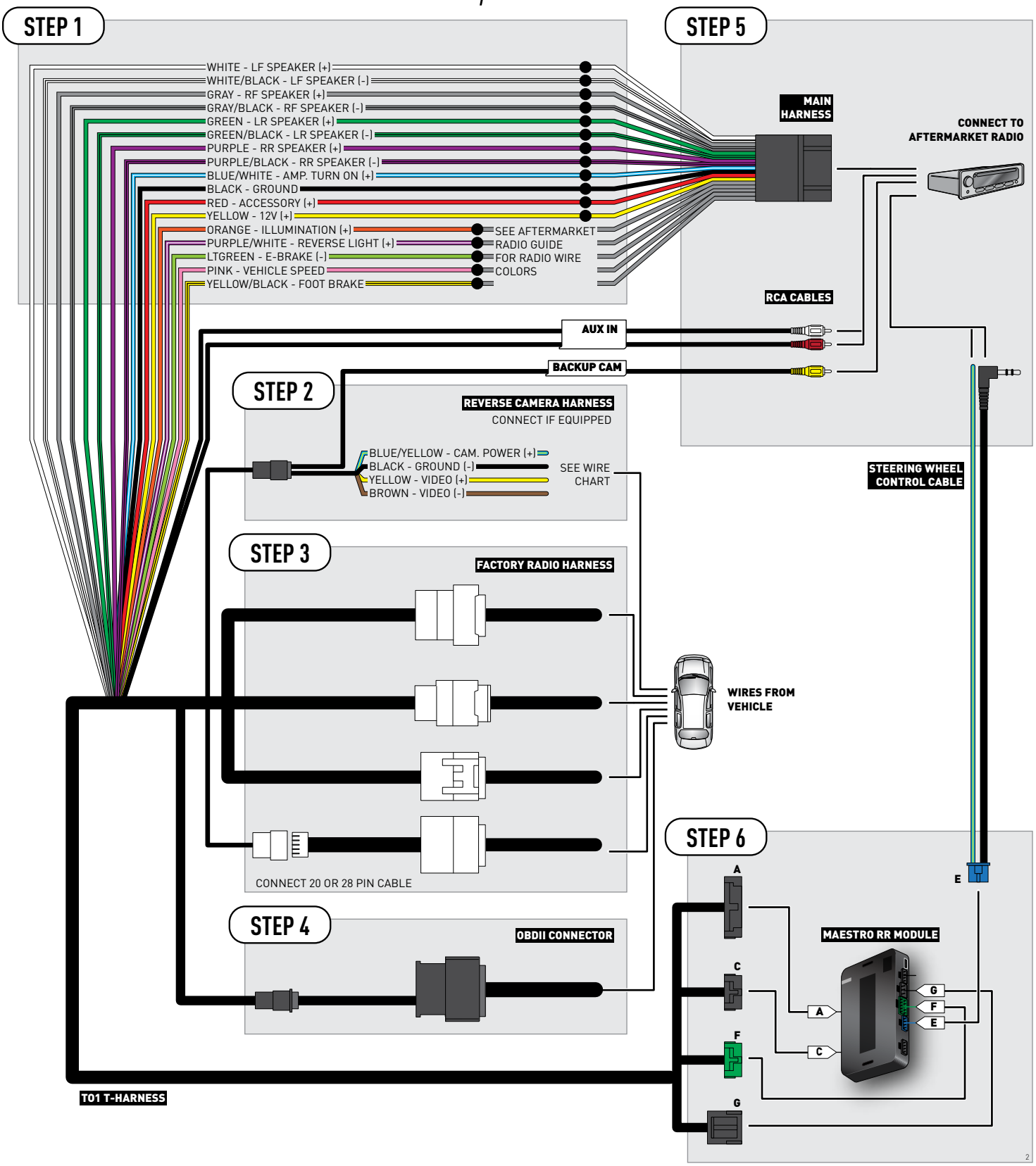
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA YARIS
2012-2016

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY01-AS

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

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- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the steering wheel control cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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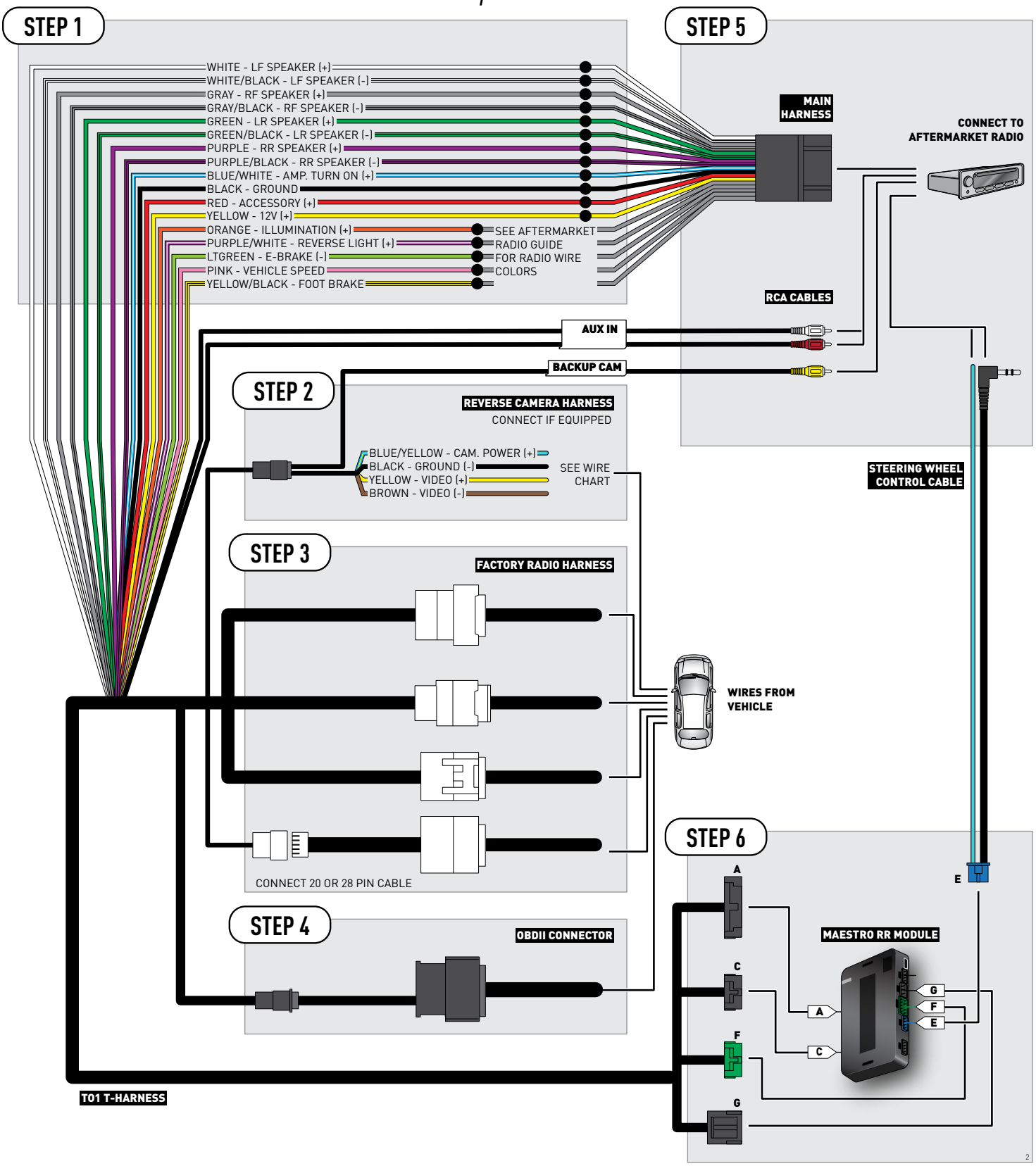
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

SELECT VEHICLE
PRINT PAGES NEEDED

iDatalink maestro RR

HOW TO USE THIS INSTALL GUIDE

1. Open the Bookmarks menu and find your vehicle OR scroll down until you find the install guide for your vehicle.
2. Print only the pages for your vehicle using the advanced options in the Print menu.
3. Install your Maestro RR according to the guide for your vehicle.

WARNING

Pressing the printer icon or "quick printing" this document will print all of the guides in this compilation.

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

INSTALL GUIDE
SCION FR-S
2013-2016

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

1 866 427-2999

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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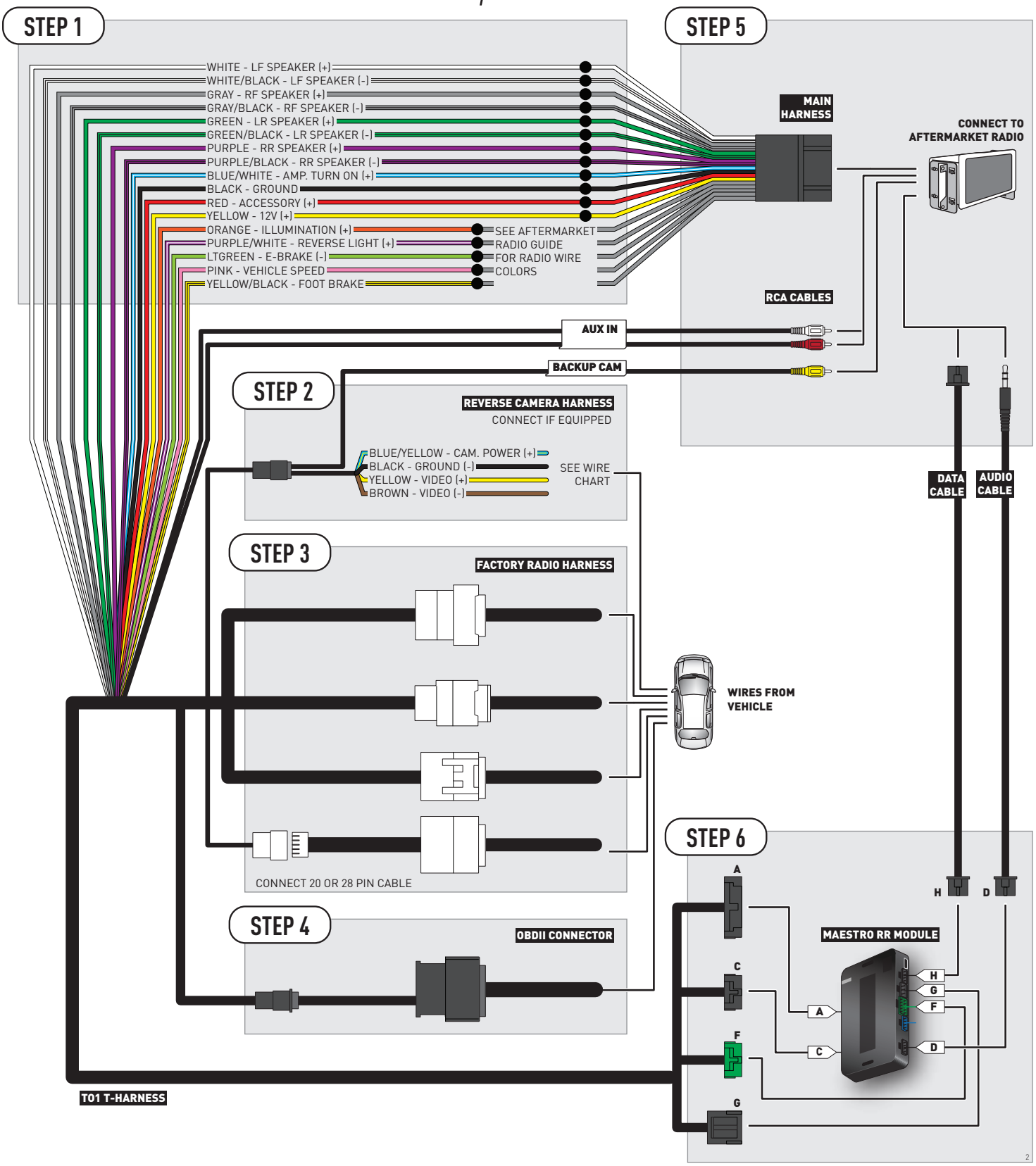
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
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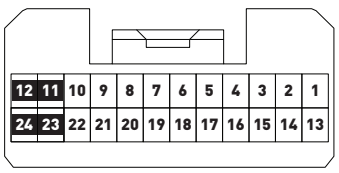
Video +	~	~	24 pin	12	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	24	Orange	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
SCION IM
2016

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

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- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
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STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
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- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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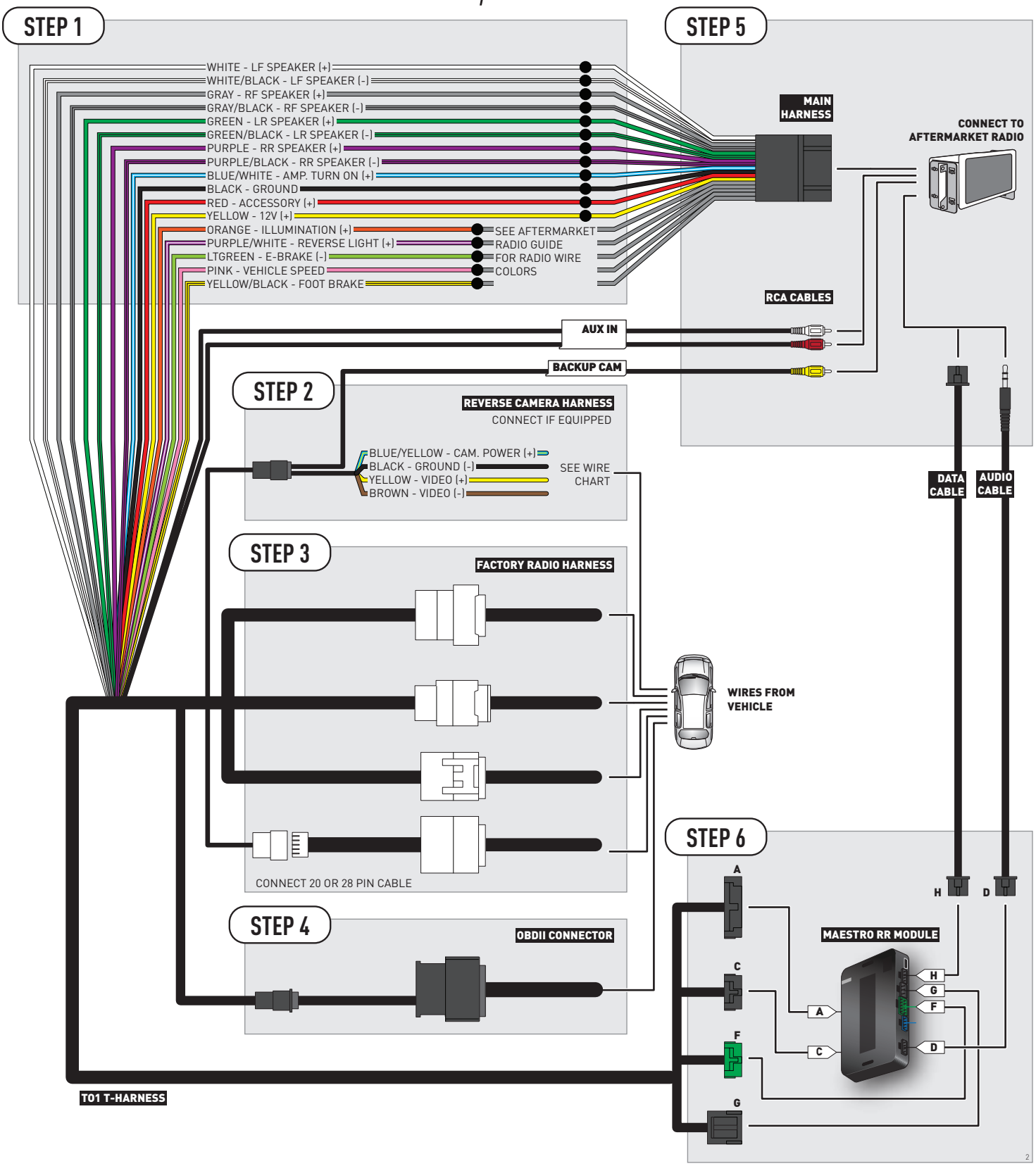
WIRING DIAGRAM *without an Amplifier*



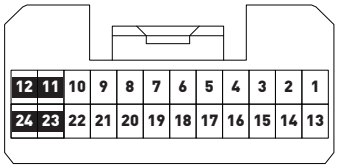
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



INSTALL GUIDE
SCION IQ
2012-2015

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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Radio Wire Reference Chart	5
Vehicle Wire Reference Chart	6

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

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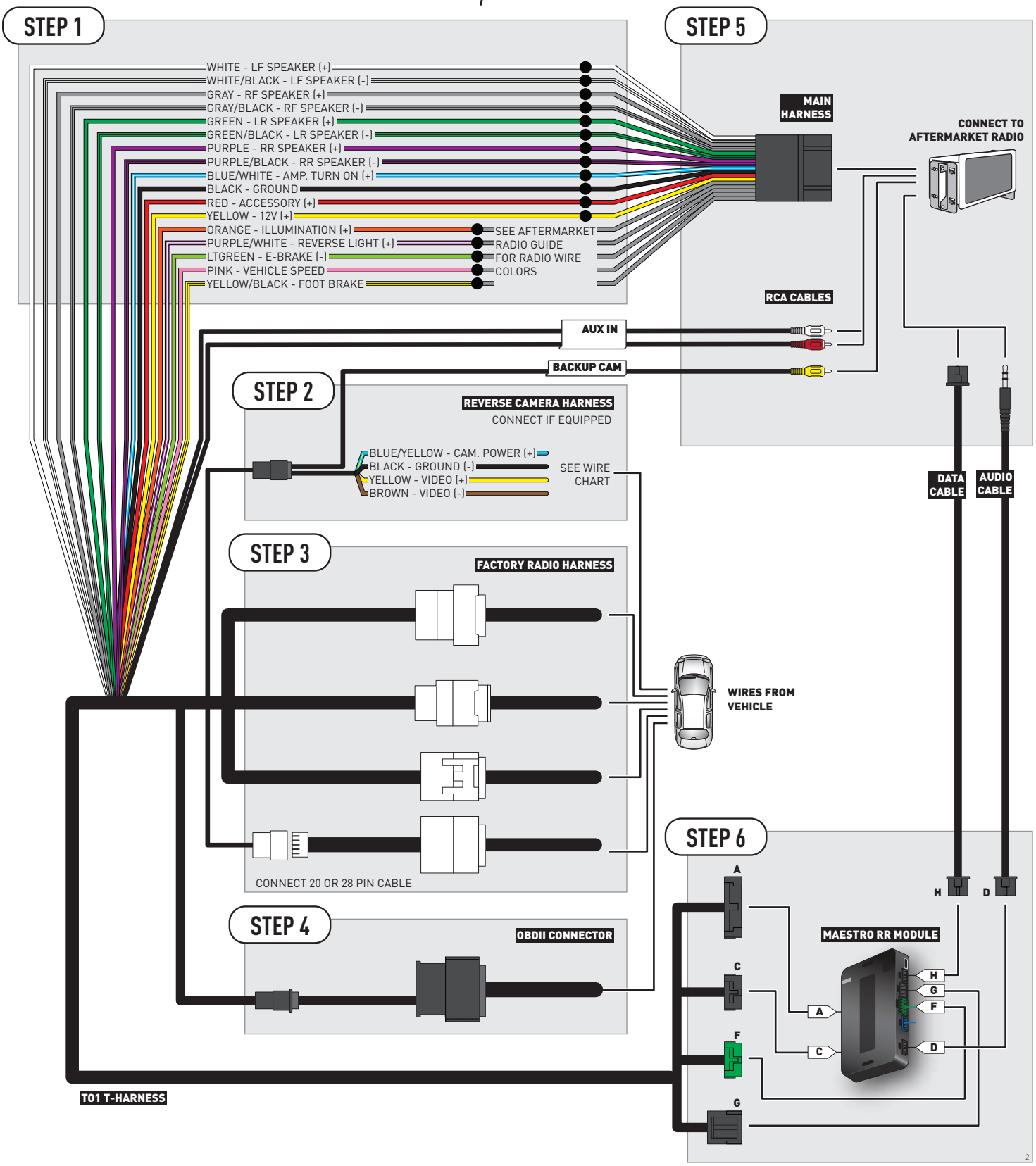
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
SCION TC
2007-2016

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

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Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

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maestro.idatalink.com/support
www.12voltdata.com/forum

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

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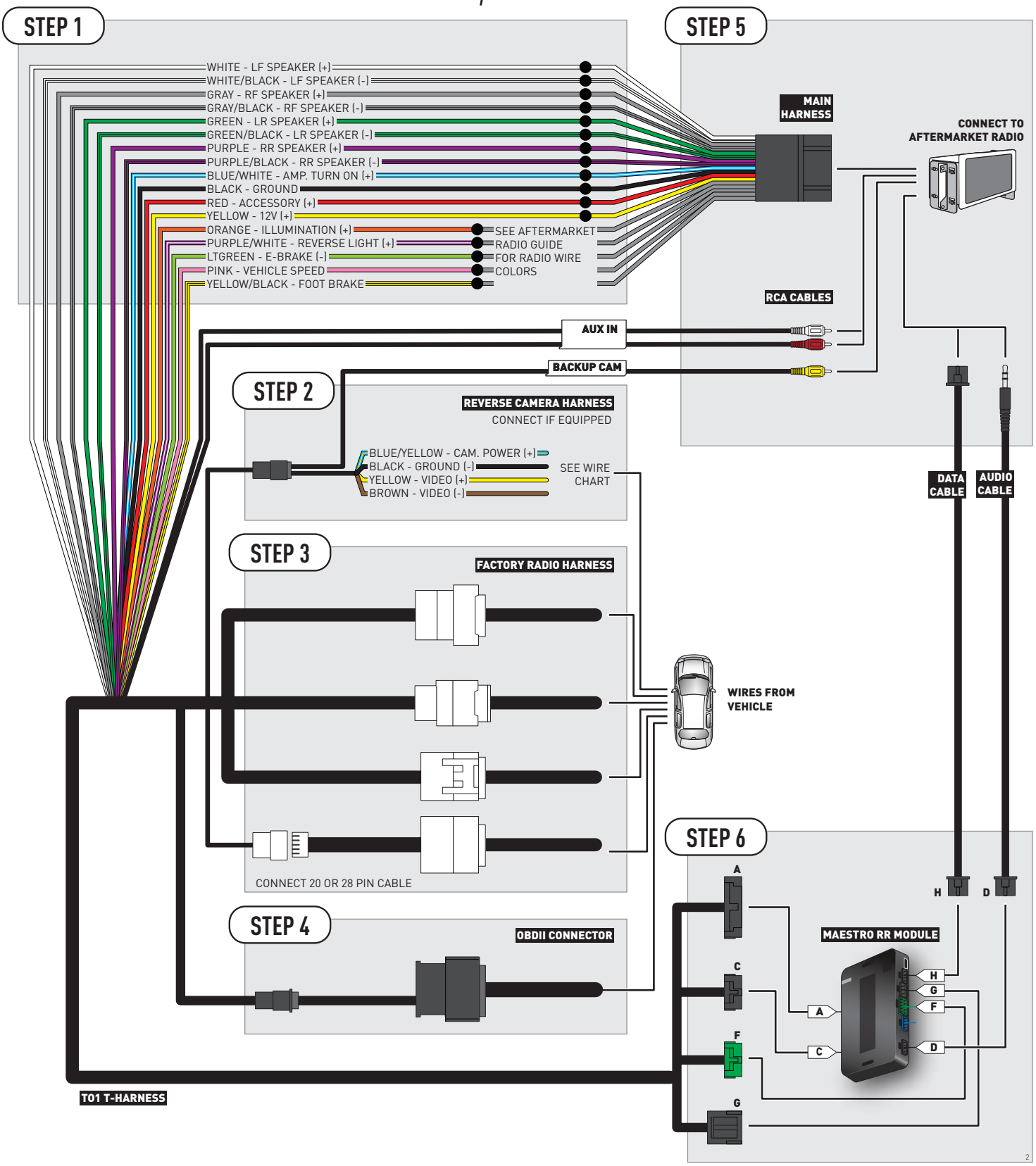
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
SCION XB
2008-2016

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

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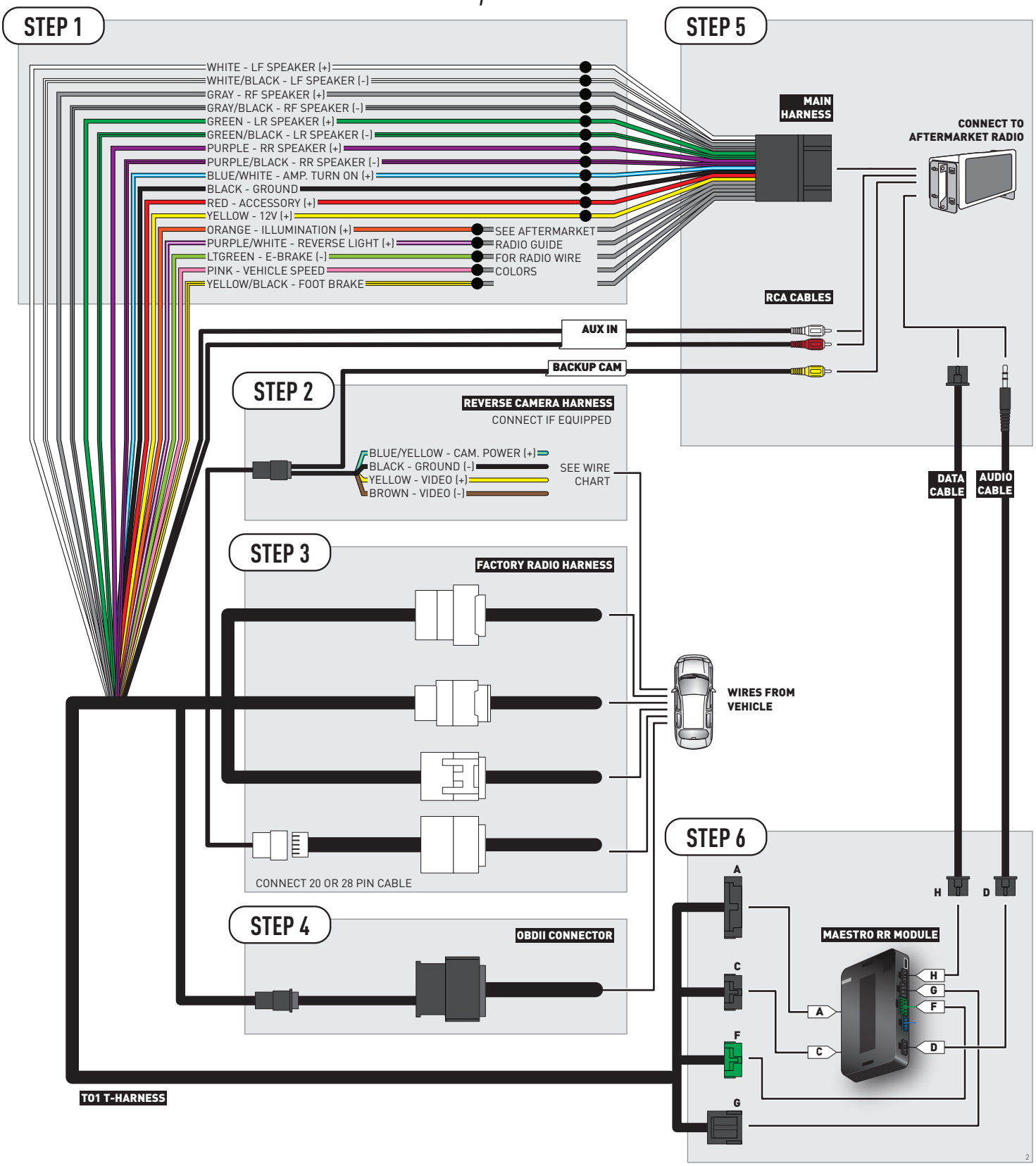
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
SCION XD
2008-2014

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

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support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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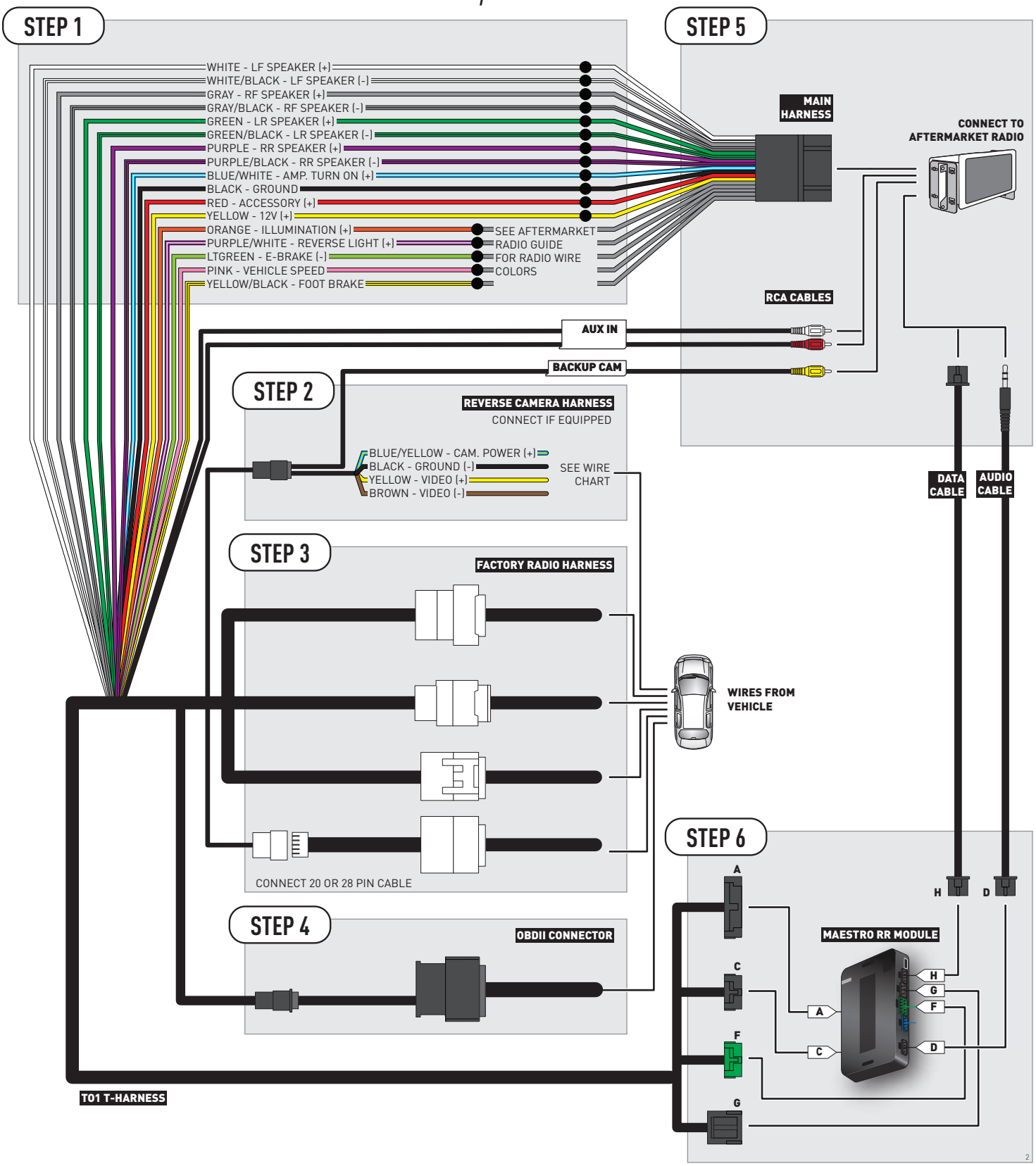
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
SUBARU BRZ
2013-2016

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

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NEED HELP?

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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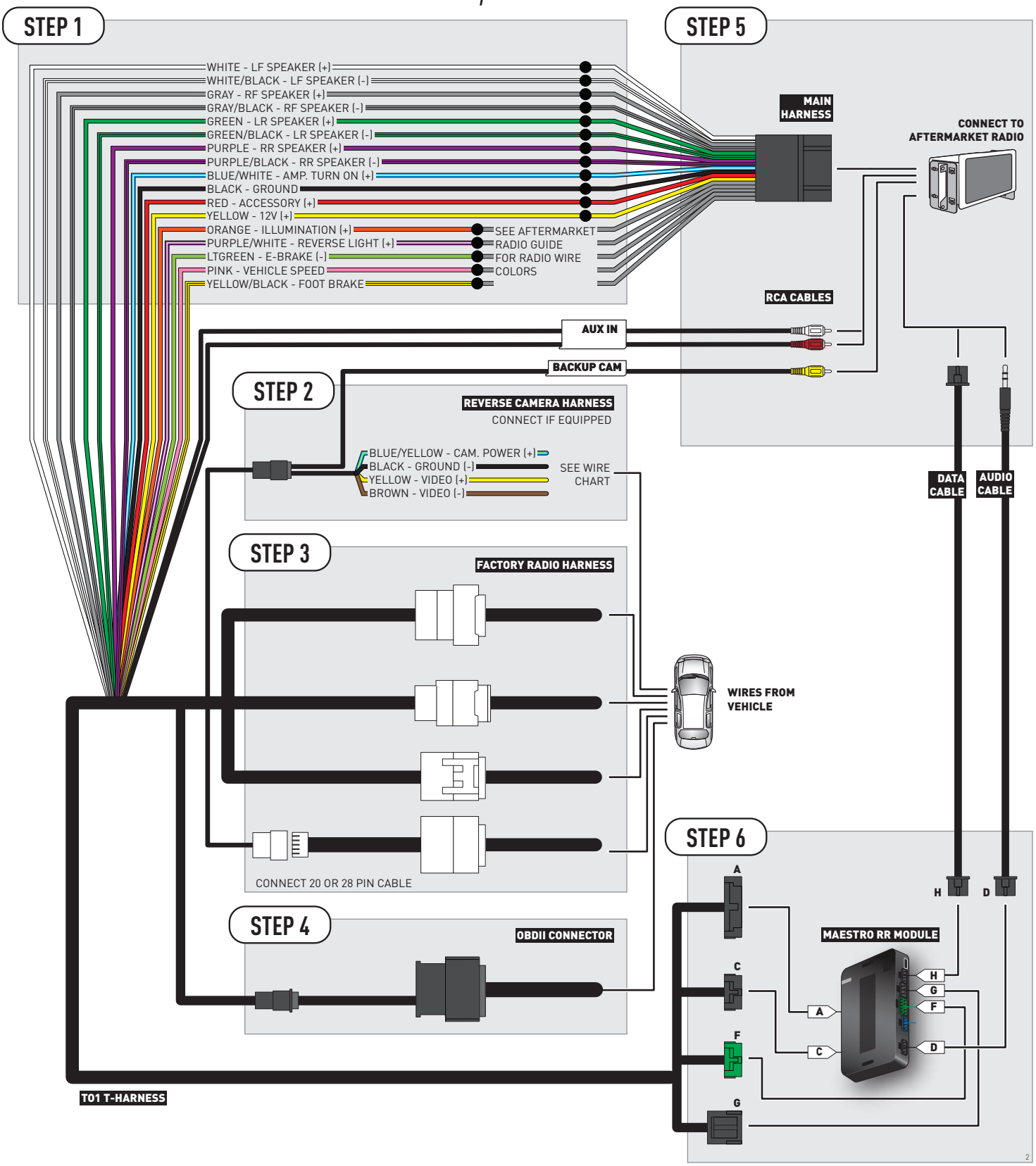
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
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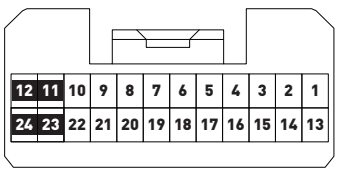
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	White	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Red	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	24	Orange	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA 4 RUNNER
WITH JBL 2005-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

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Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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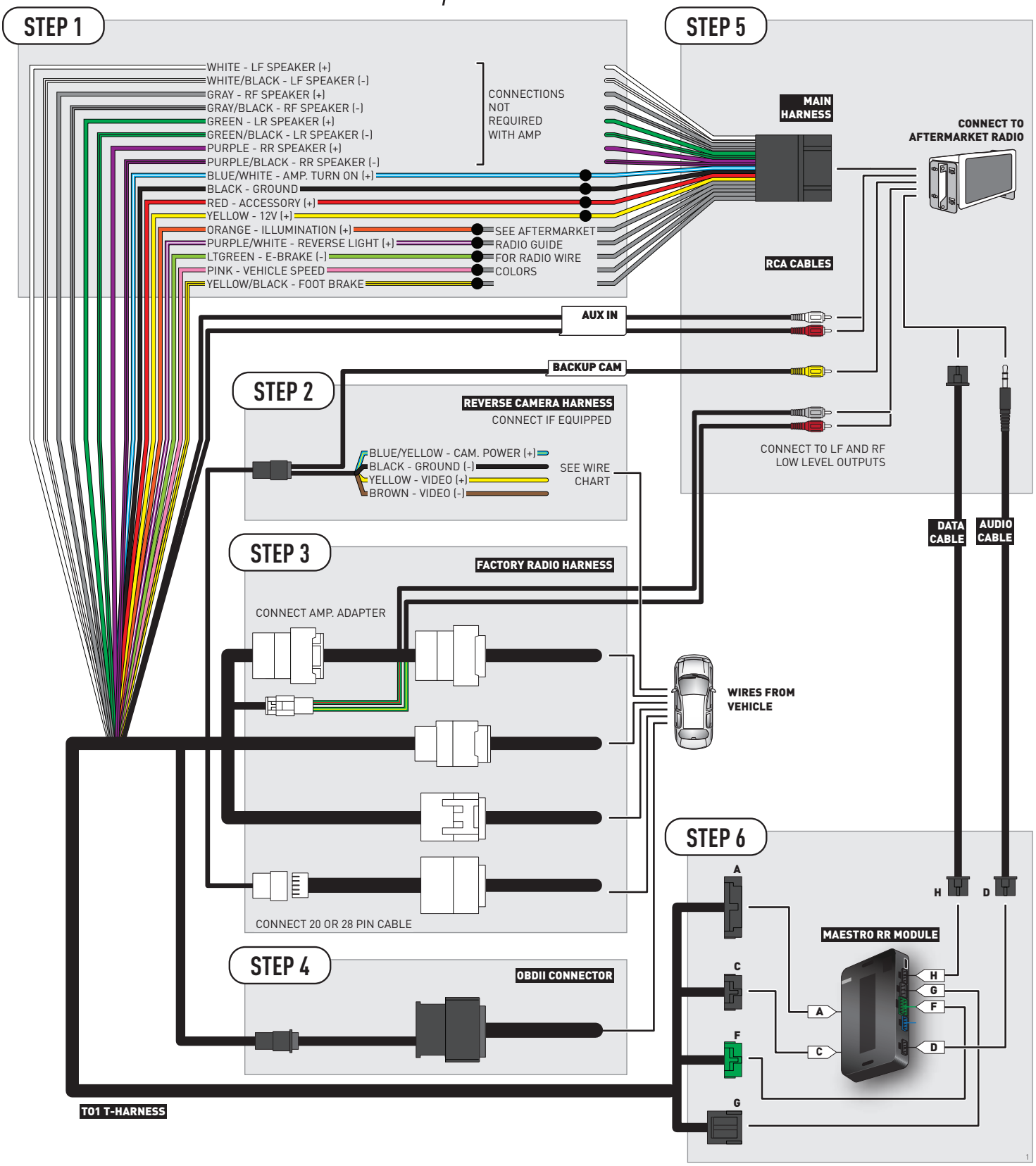
1

WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

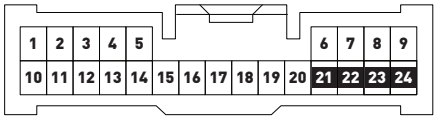
2006-2009

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

2010-2011

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	White	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Black	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA 4 RUNNER
WITH JBL 2012-2013

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

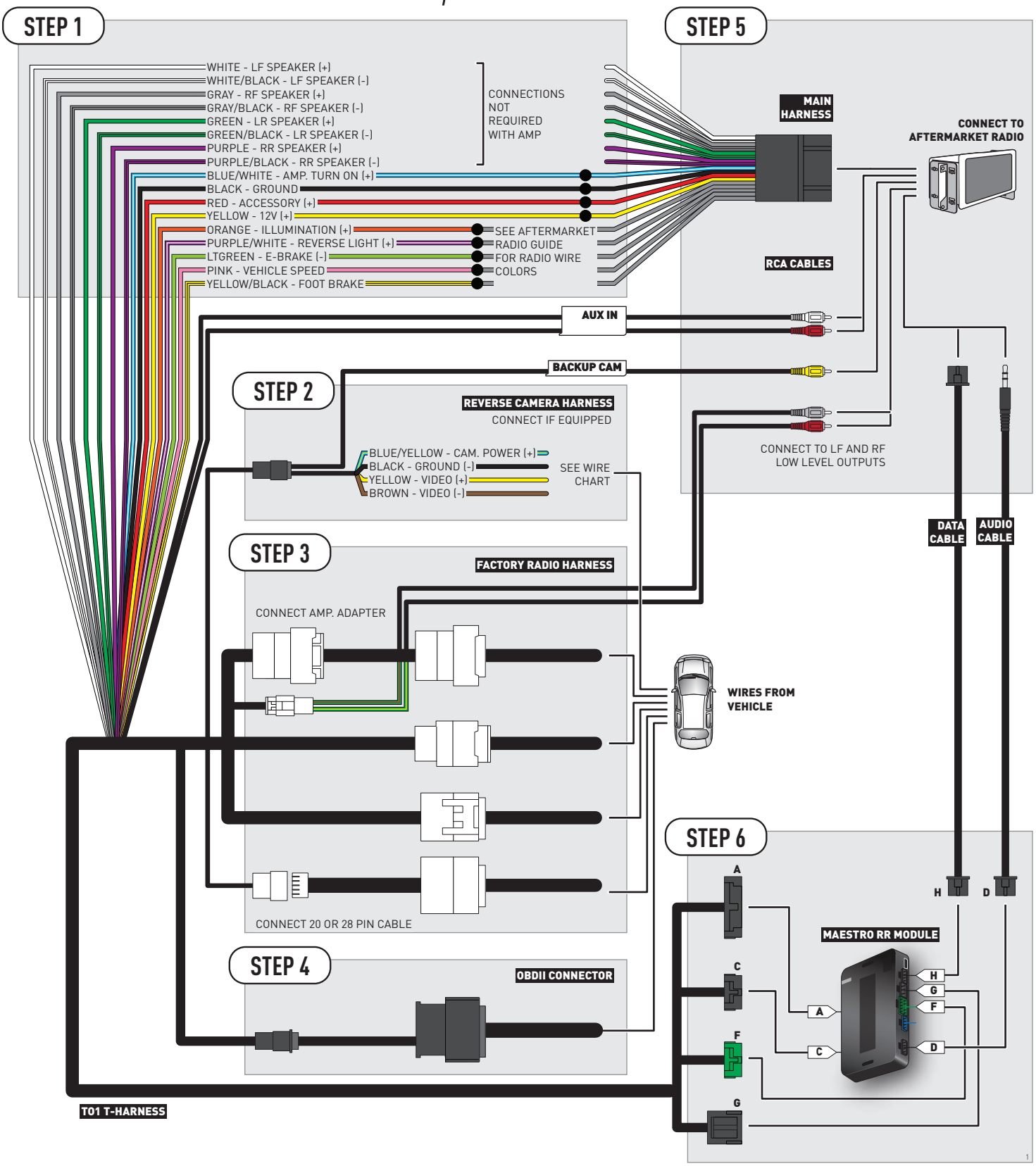
- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

1

WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

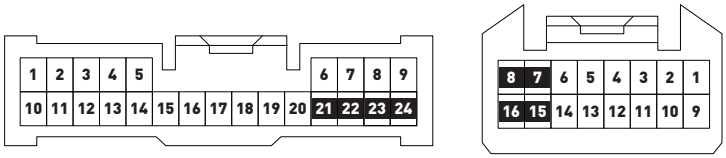
VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	White	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Black	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Red	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	White	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Black	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



INSTALL GUIDE
TOYOTA 4 RUNNER
WITHOUT JBL 2005-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

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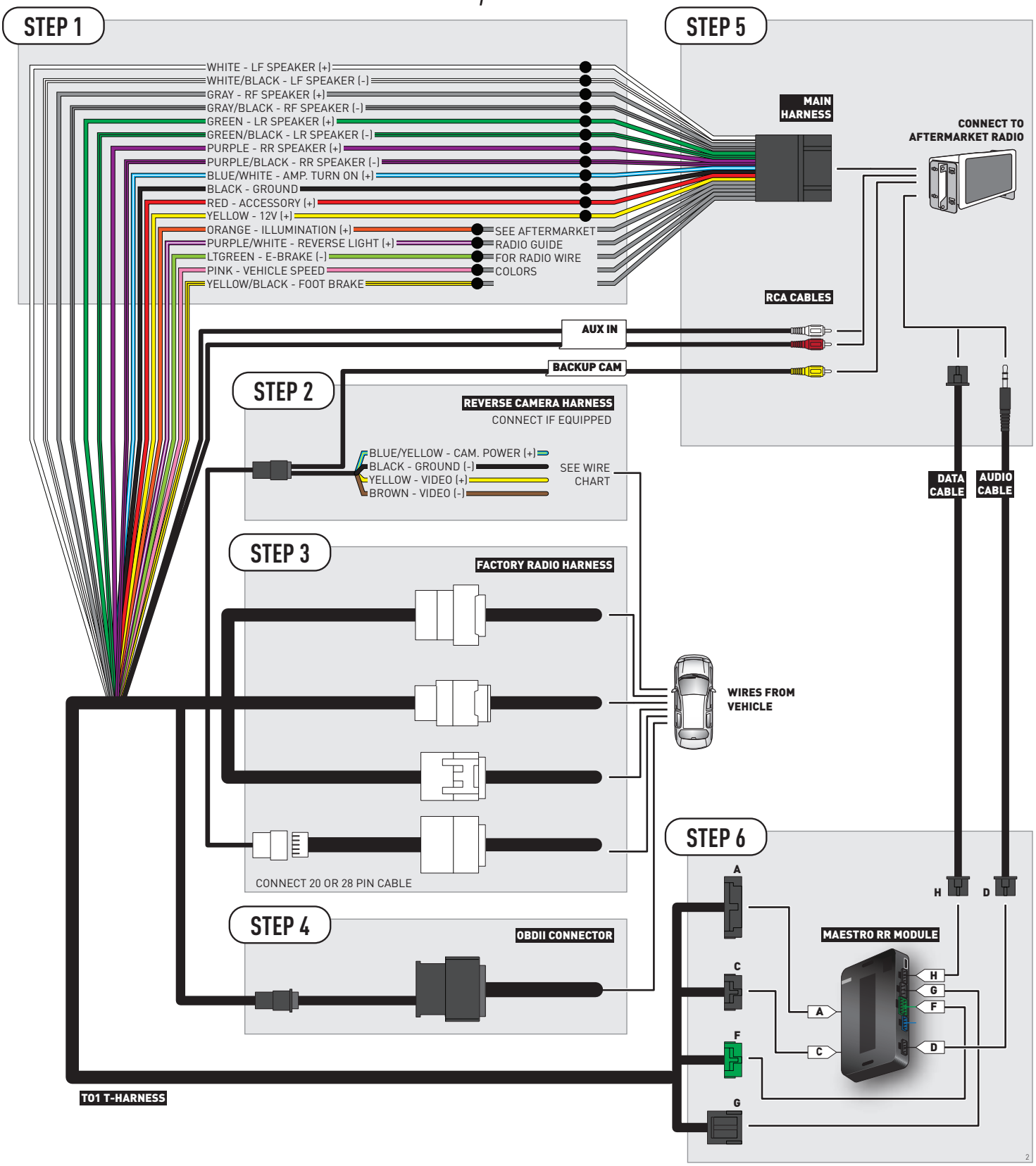
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA 4 RUNNER
WITHOUT JBL 2012-2013

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

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Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

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- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

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STEP 4

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STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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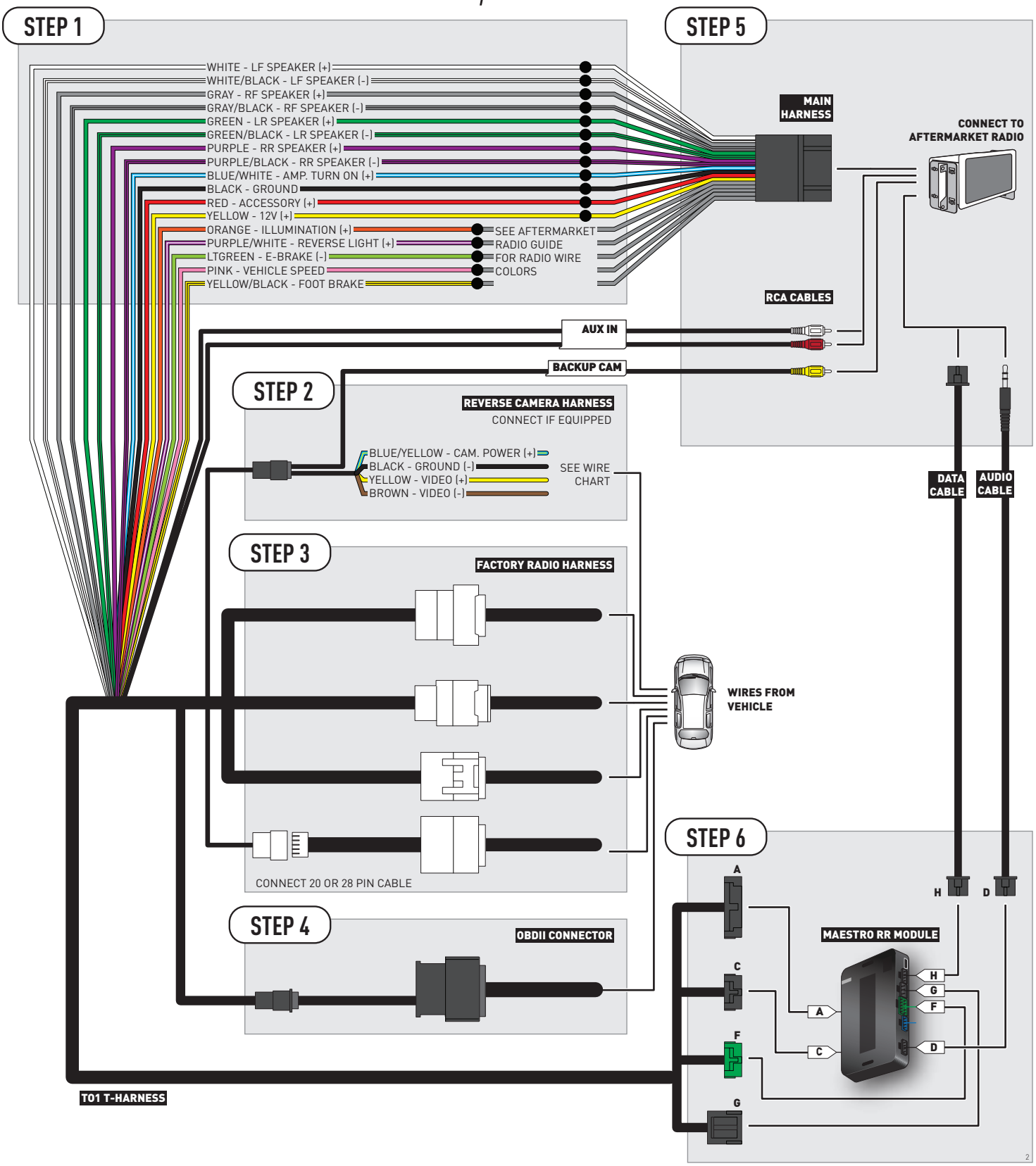
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

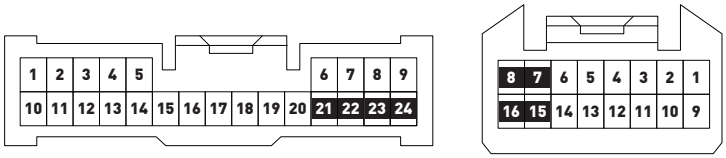
VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	White	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Black	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Red	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	White	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Black	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



INSTALL GUIDE
TOYOTA 86
2017

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

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support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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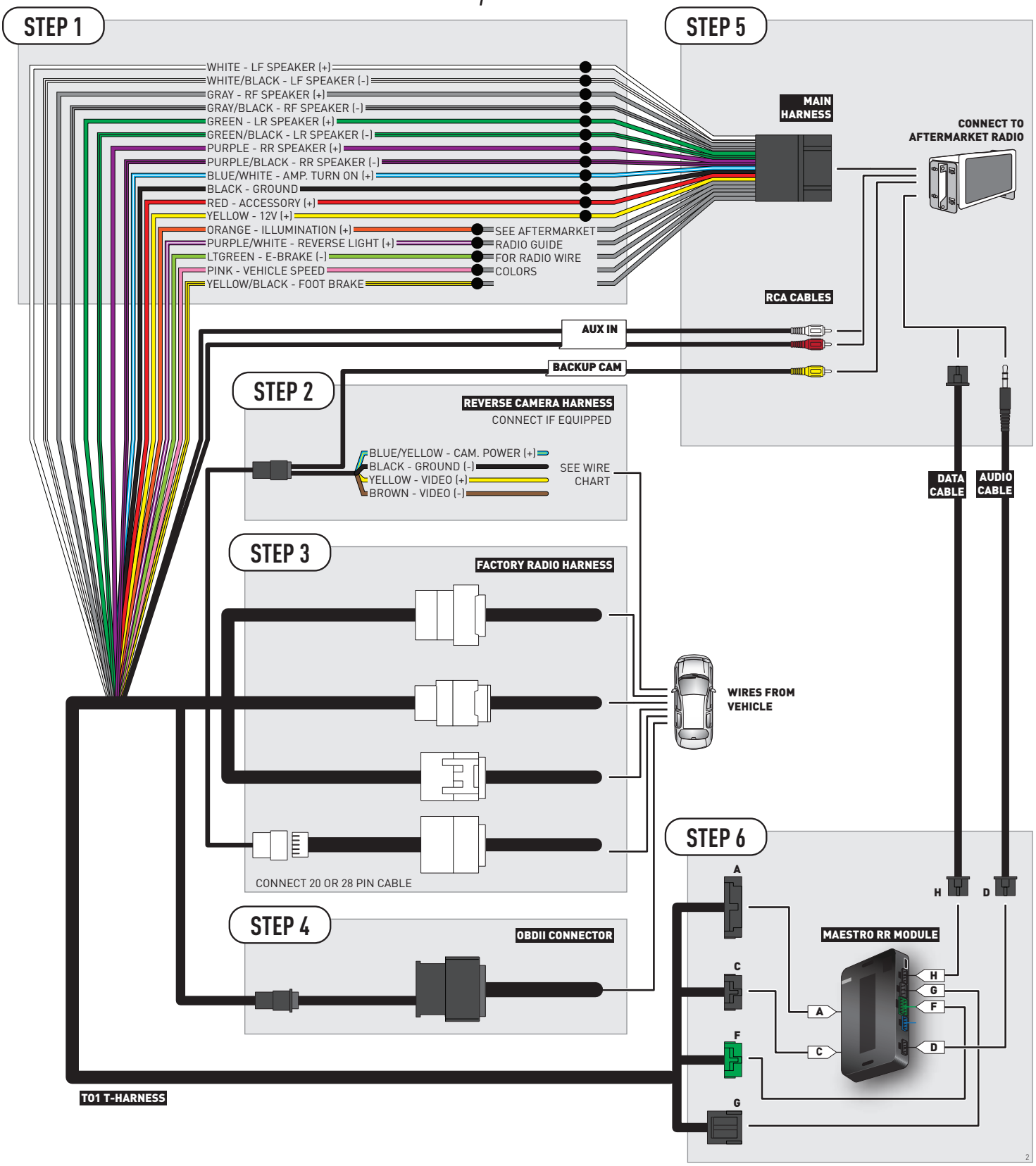
WIRING DIAGRAM *without an Amplifier*



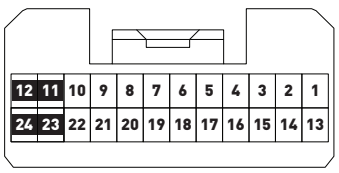
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	White	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Red	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	24	Orange	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA CAMRY
WITH JBL 2007-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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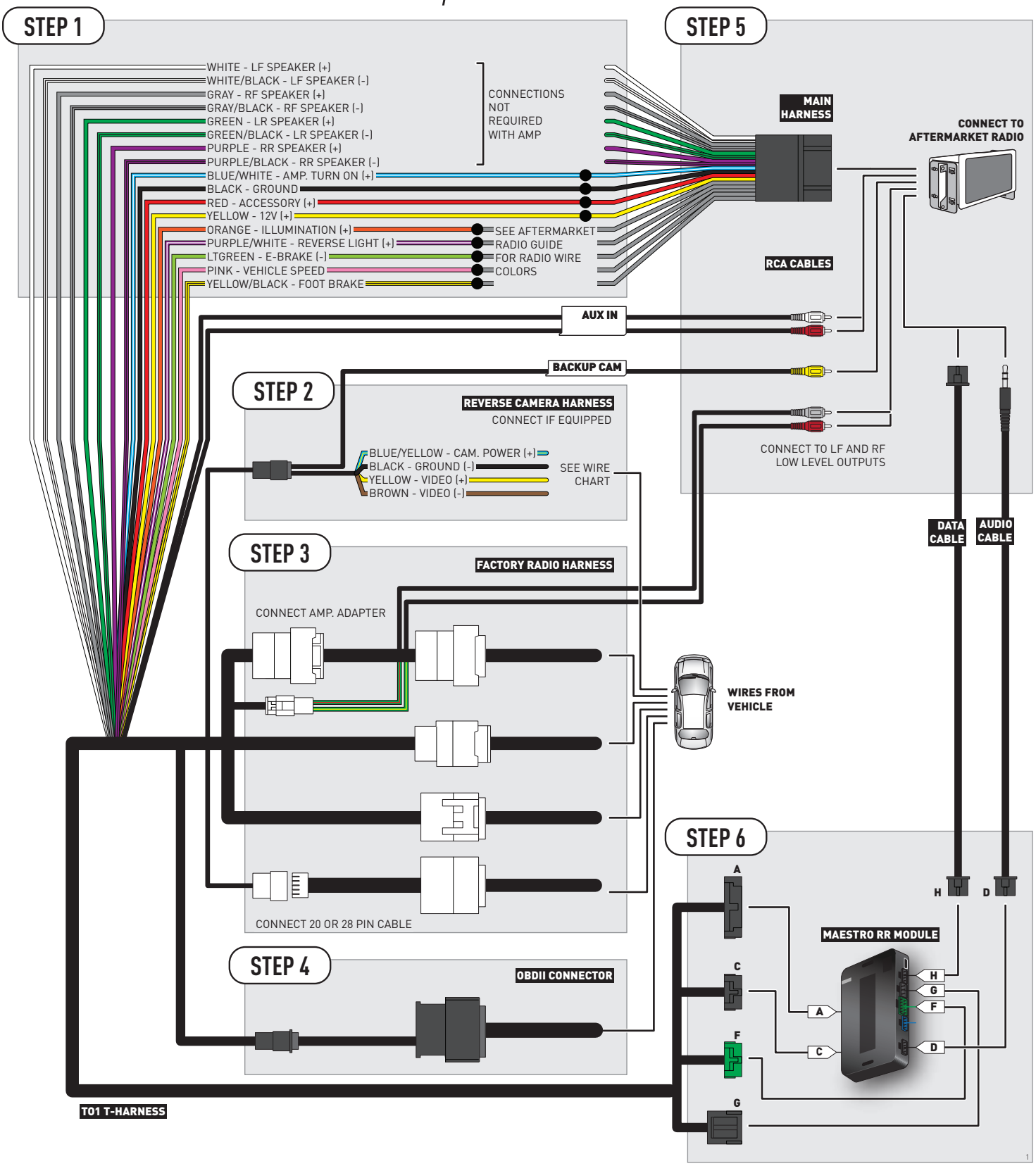
WIRING DIAGRAM *with an Amplifier*



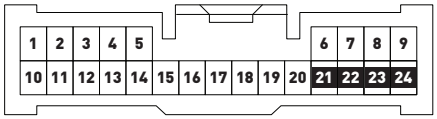
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA CAMRY
WITHOUT FACTORY SCREEN 2012-2014

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
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PROGRAMMED FIRMWARE

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Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

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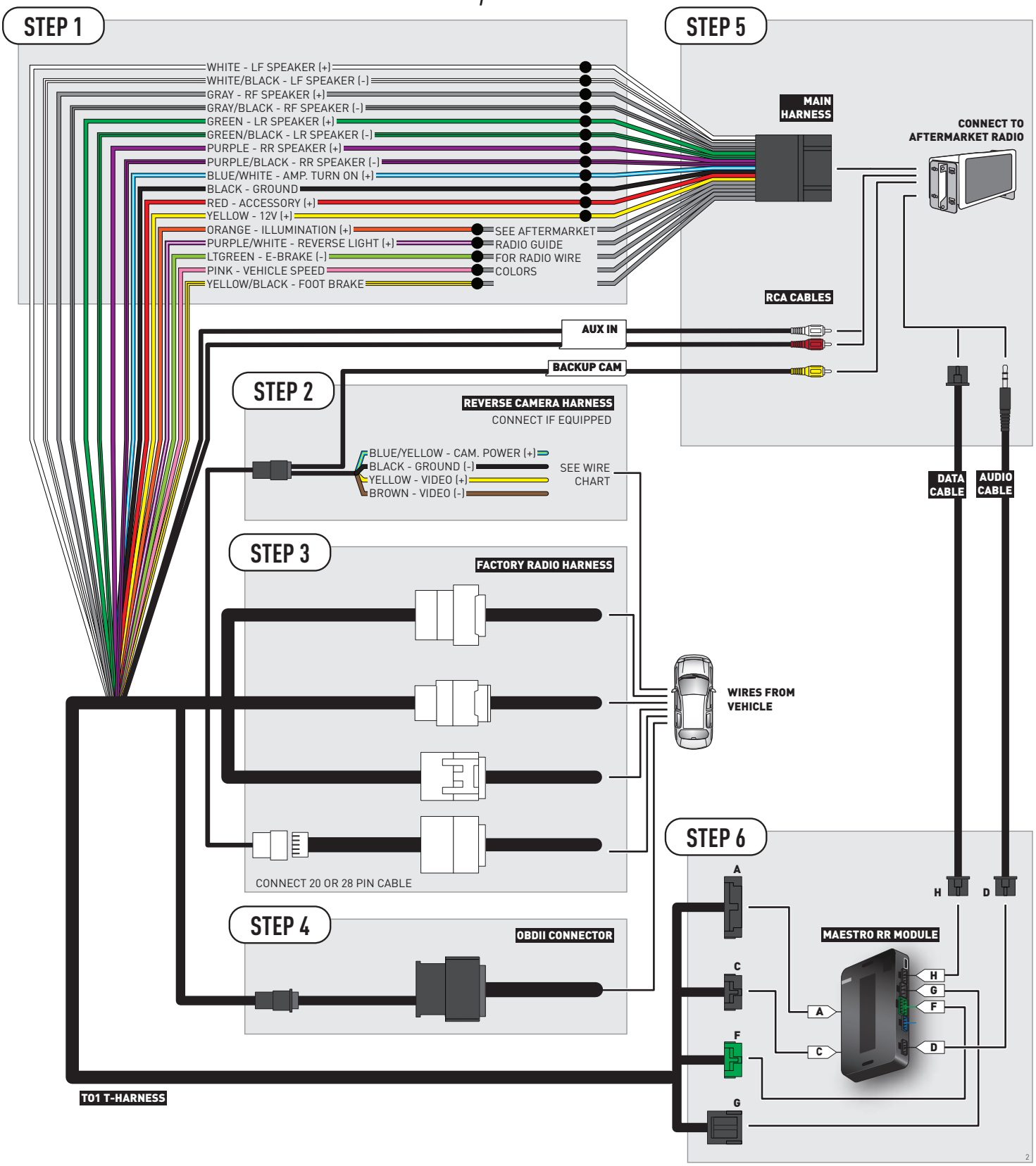
WIRING DIAGRAM *without an Amplifier*



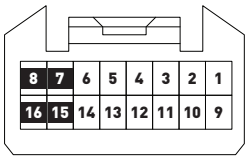
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	White	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Red	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA CAMRY
WITHOUT JBL 2007-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

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Radar Integration Owner's Guide for Kenwood and JVC Radios

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WELCOME

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NEED HELP?

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

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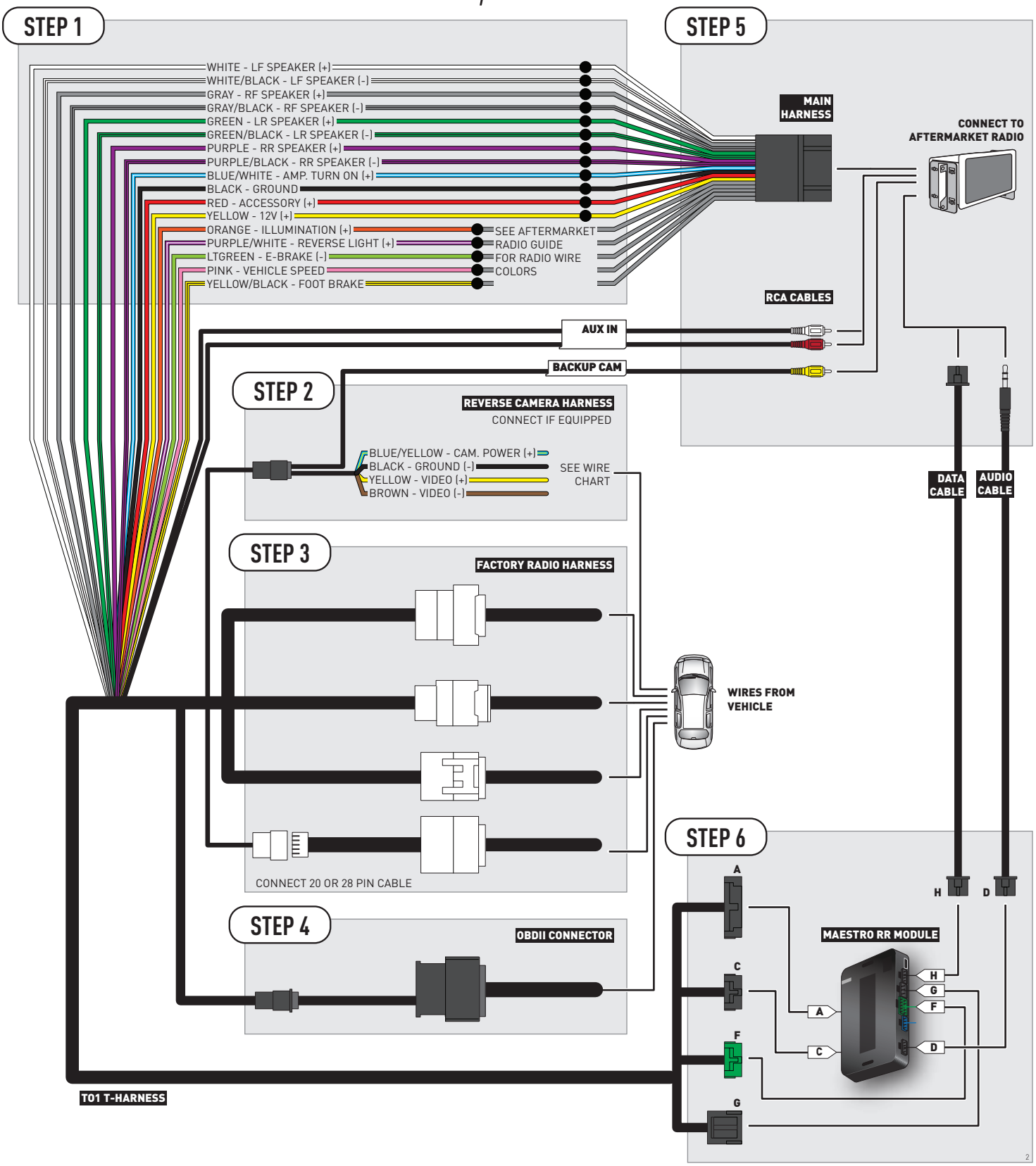
WIRING DIAGRAM *without an Amplifier*



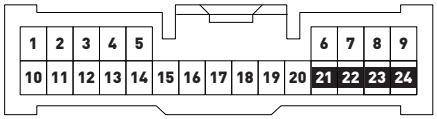
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA COROLLA IM
2017-2018

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

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WELCOME

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Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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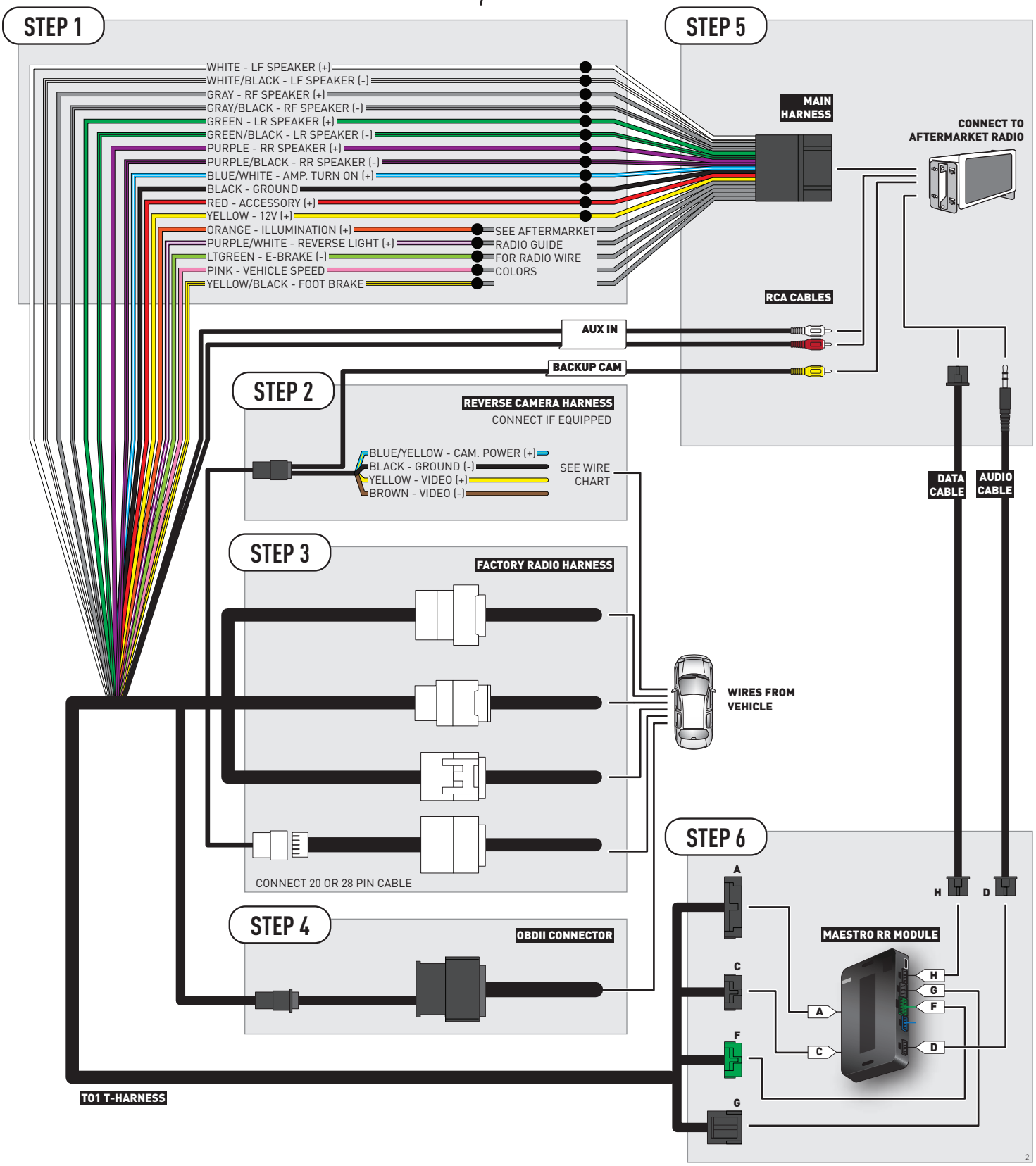
WIRING DIAGRAM *without an Amplifier*



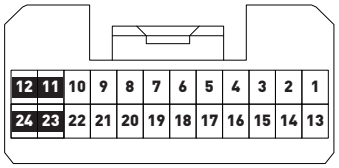
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



INSTALL GUIDE
TOYOTA COROLLA
WITH JBL 2009-2013

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
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WELCOME

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Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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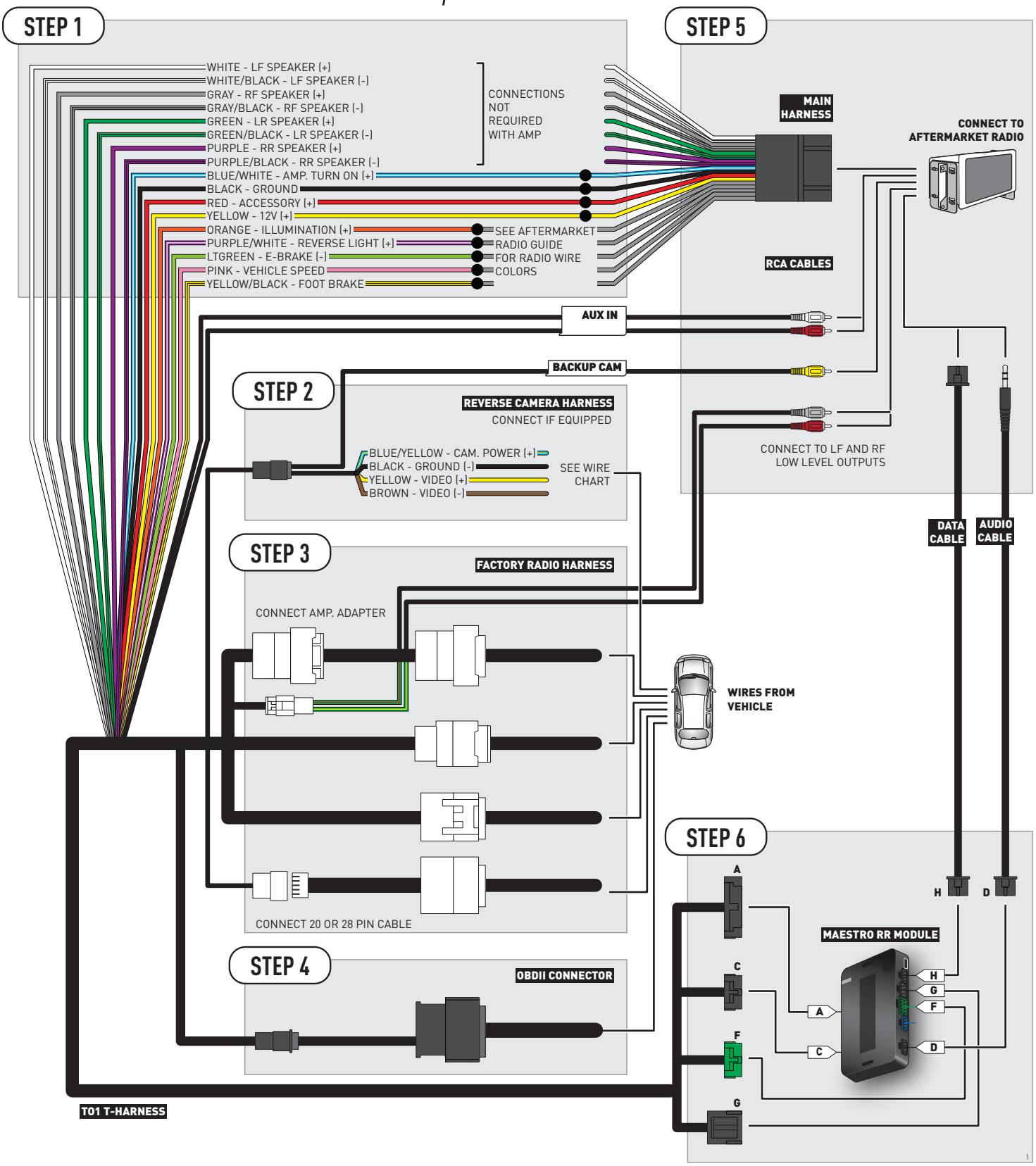
WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA COROLLA
WITHOUT FACTORY SCREEN 2014-2015

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

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- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
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STEP 6

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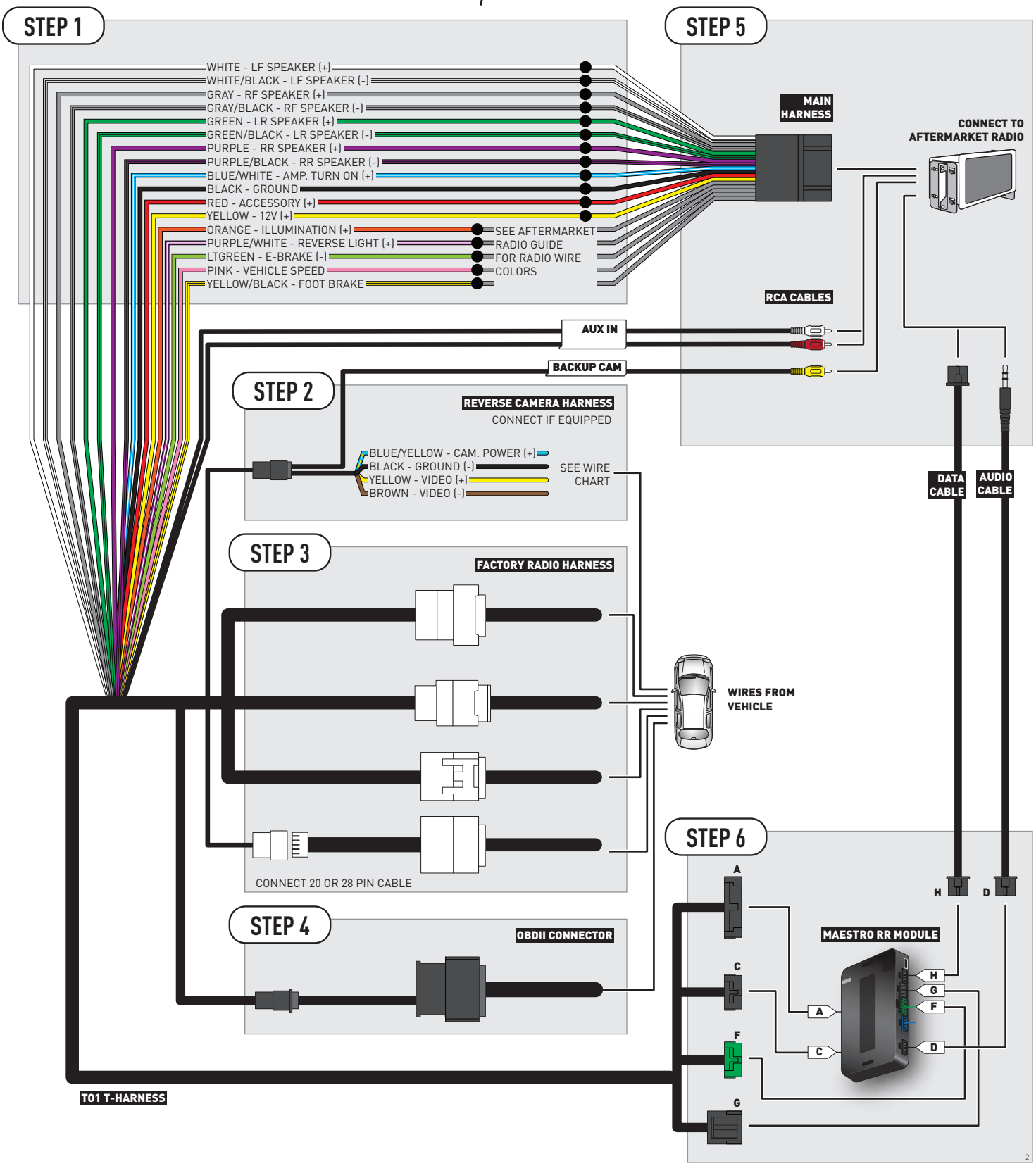

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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA COROLLA
WITHOUT JBL 2009-2013

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

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- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
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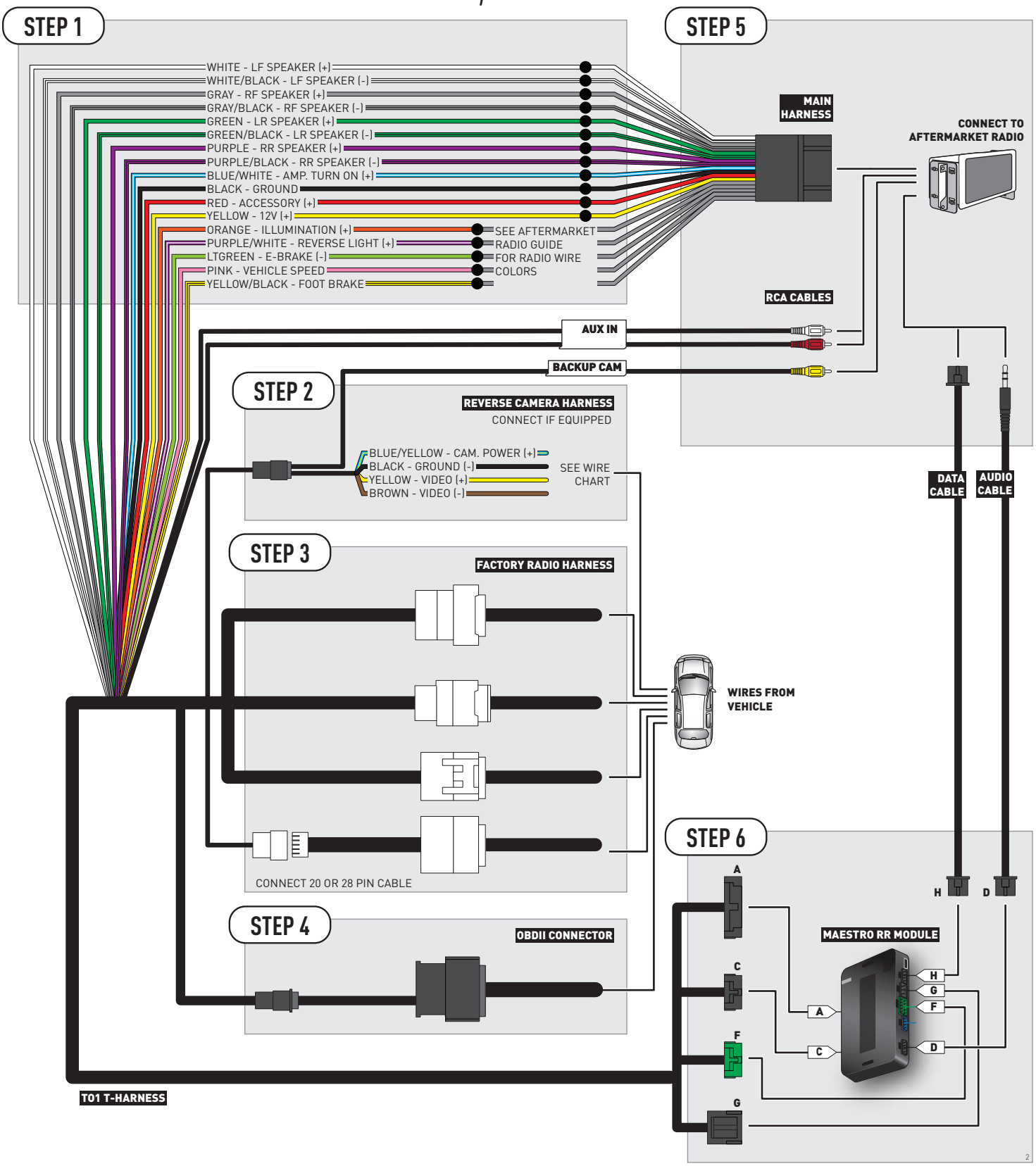
WIRING DIAGRAM *without an Amplifier*



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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA FJ CRUISER
WITH JBL 2006-2014

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

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Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

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Installation Instructions	3
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Radio Wire Reference Chart	5
Vehicle Wire Reference Chart	6

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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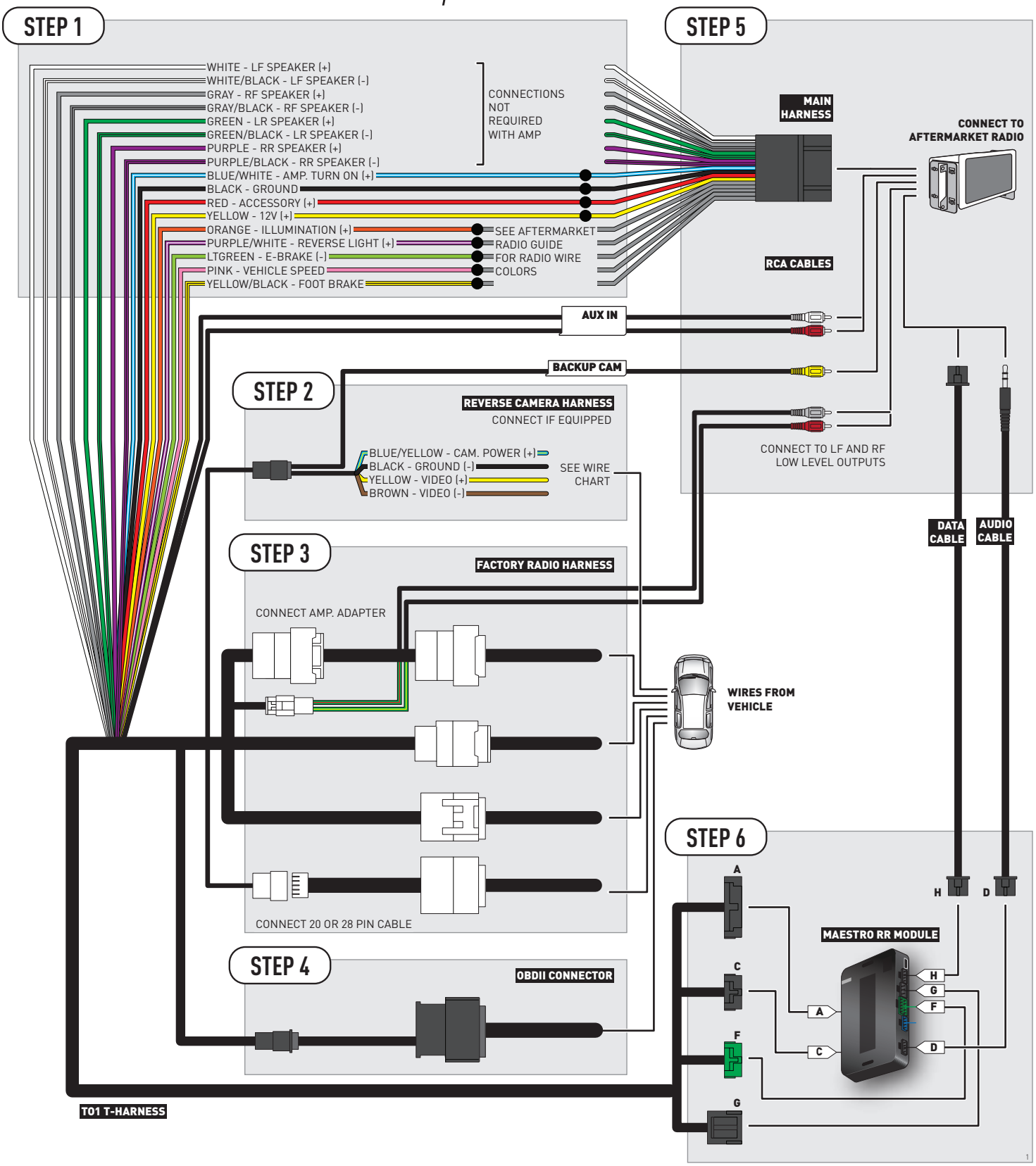
WIRING DIAGRAM *with an Amplifier*



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Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA FJ CRUISER
WITHOUT JBL 2006-2014

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

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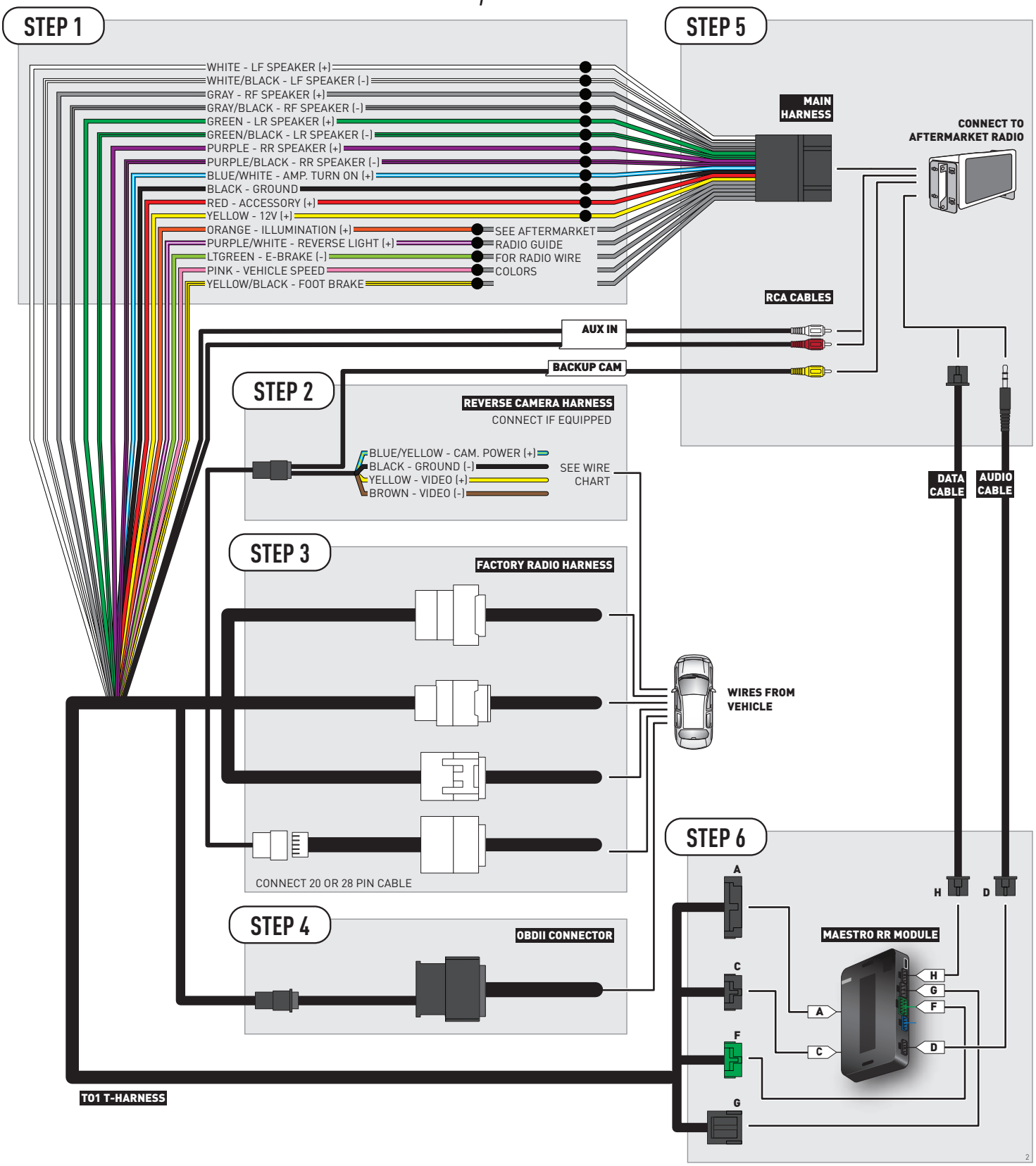

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TOYOTA HIGHLANDER
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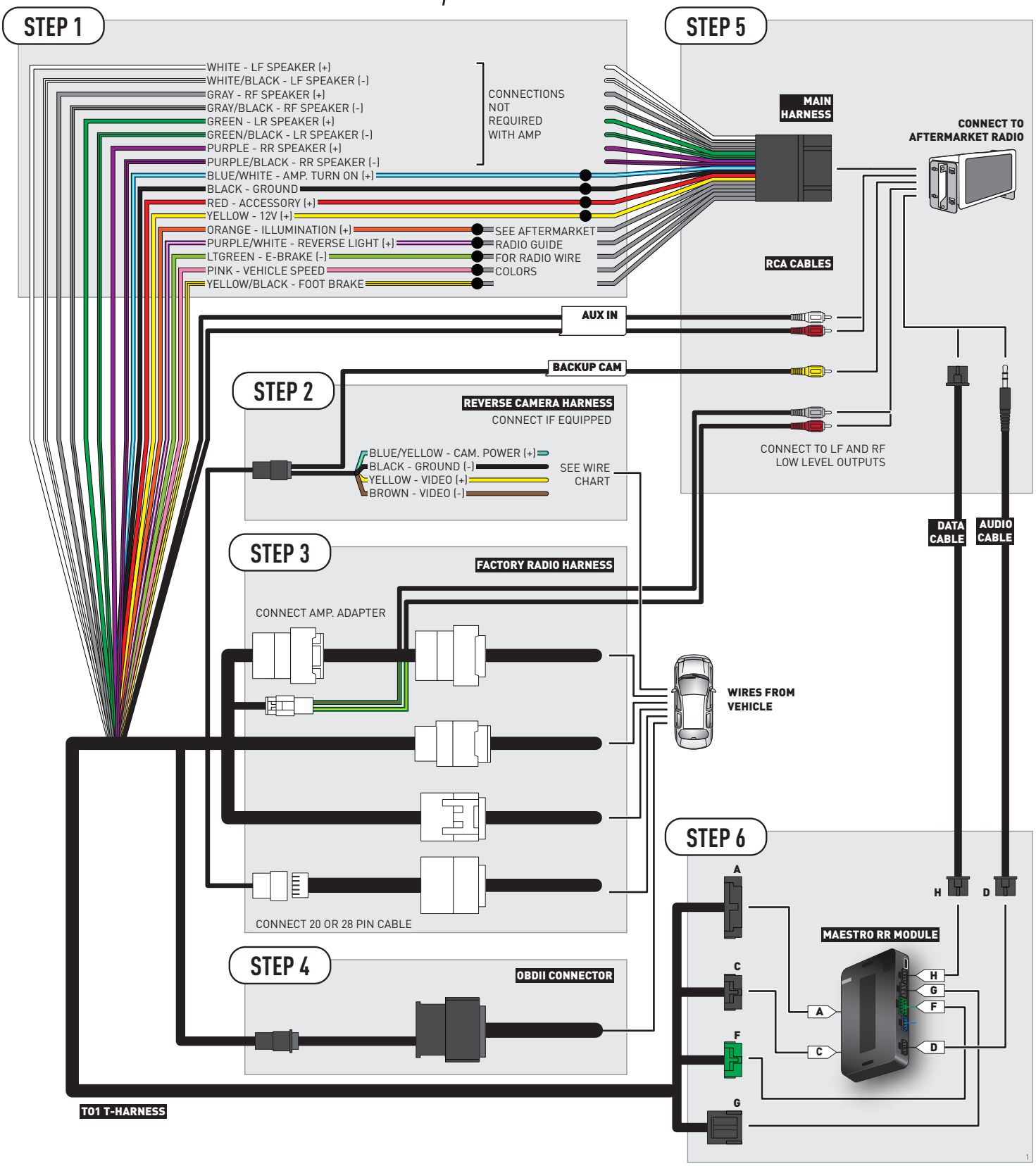

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Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
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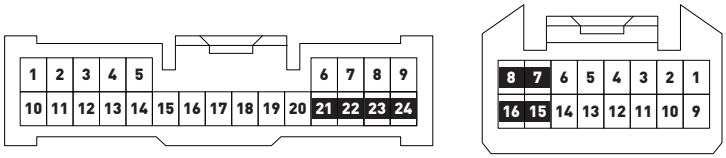
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	White	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



INSTALL GUIDE
TOYOTA HIGHLANDER
WITH JBL 2013

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

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iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

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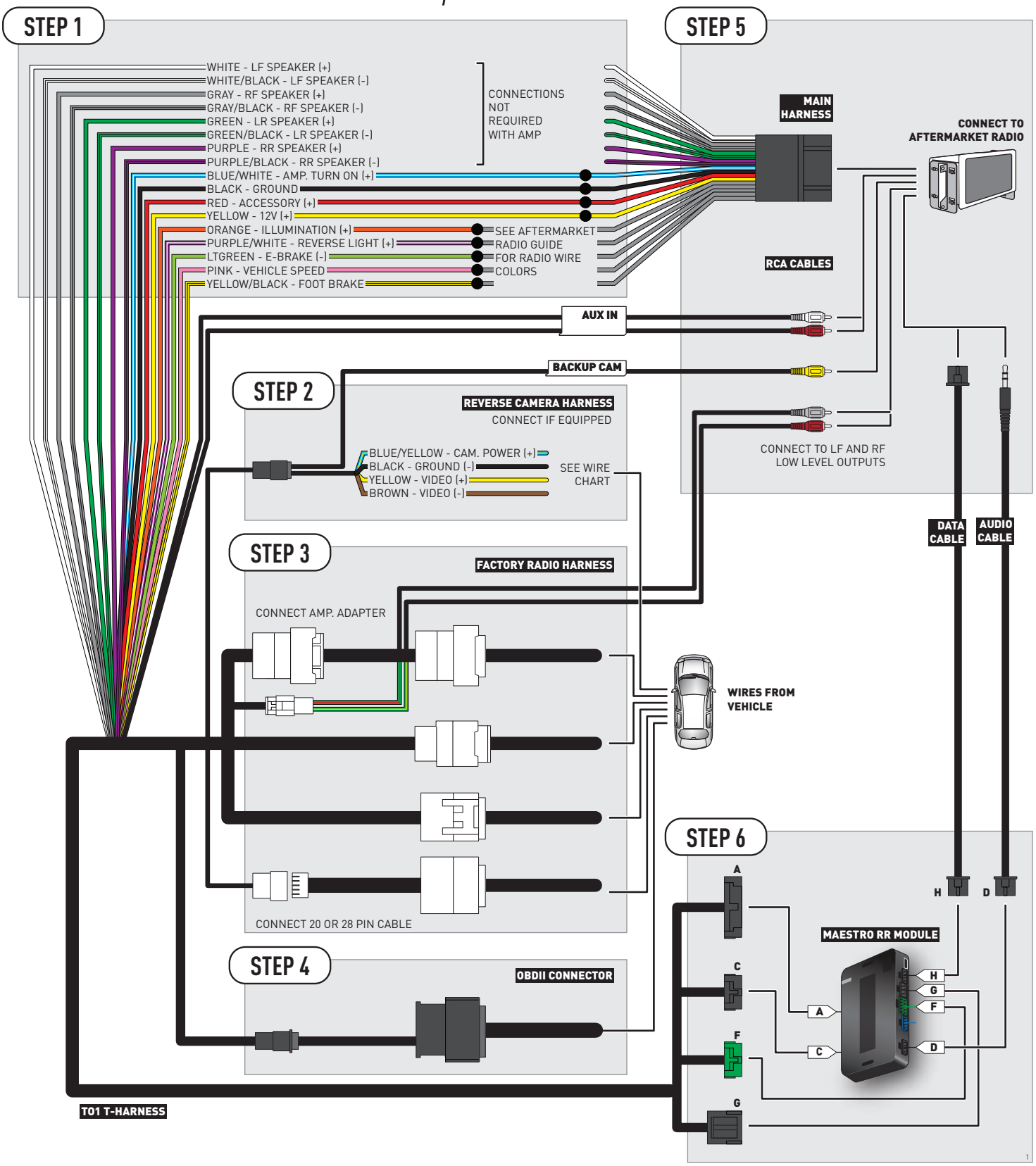
WIRING DIAGRAM *with an Amplifier*



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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

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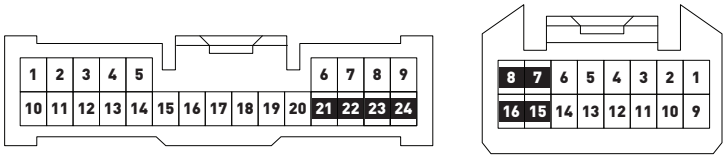

INSTALL GUIDE
TOYOTA HIGHLANDER
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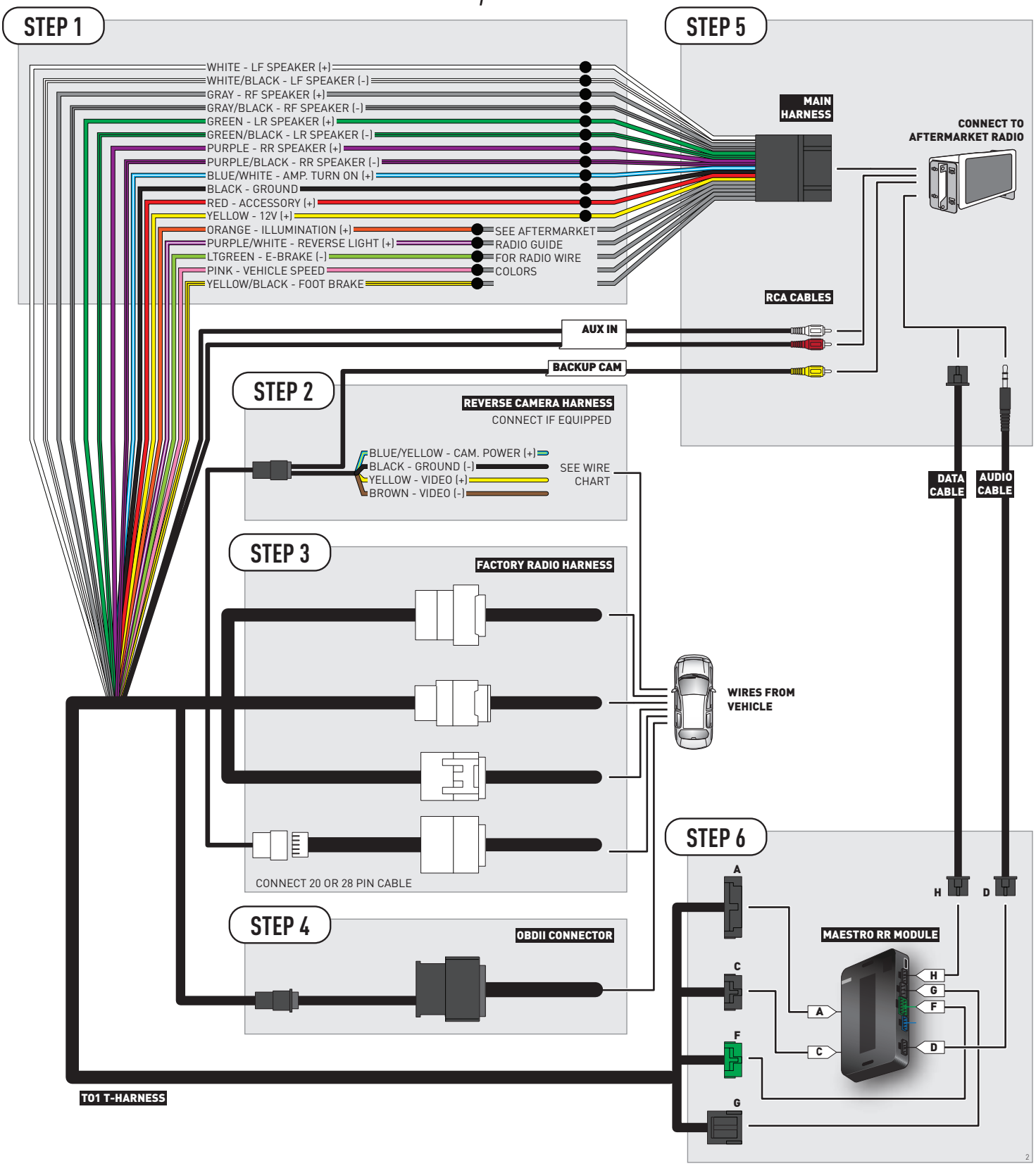

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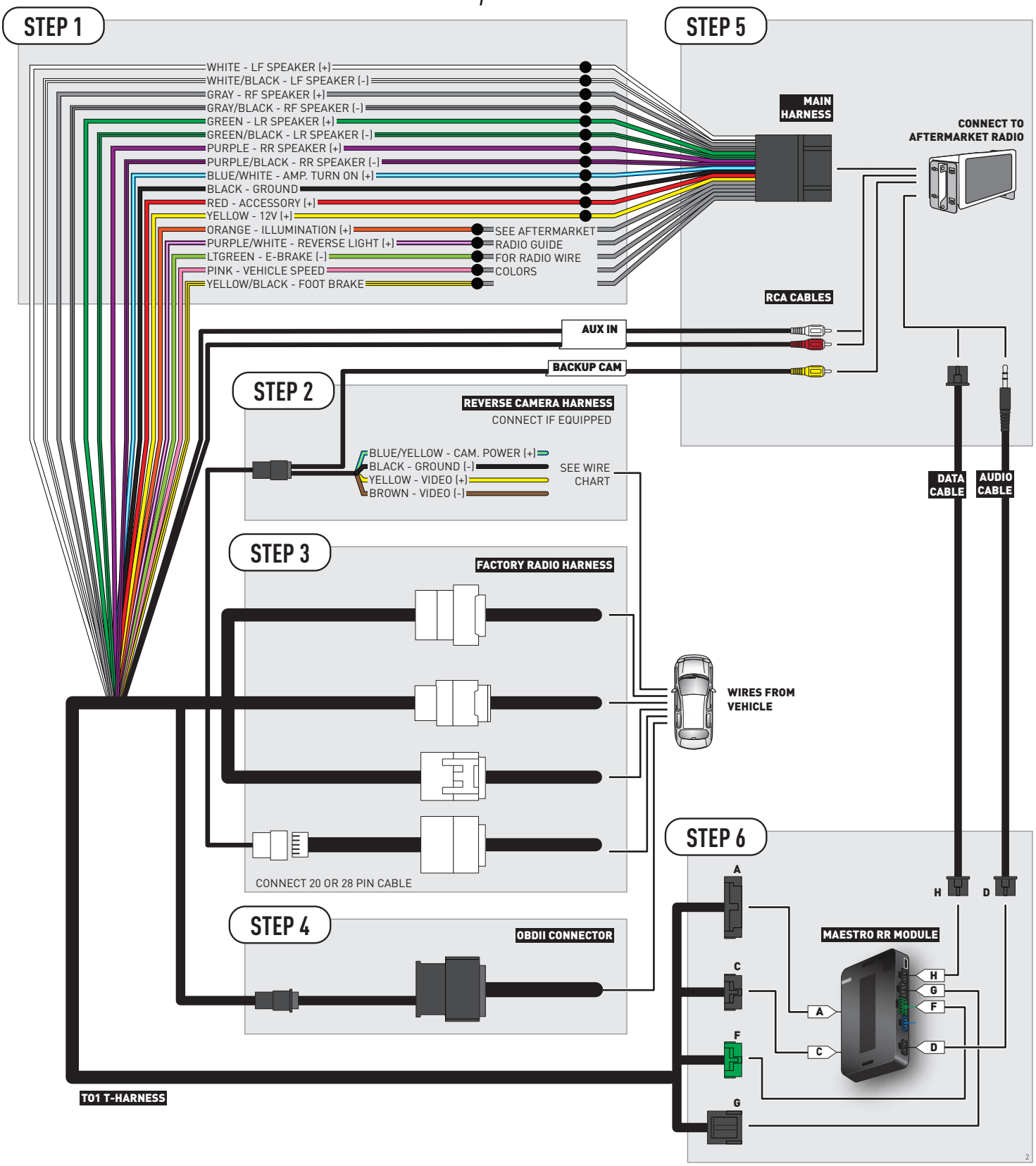

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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

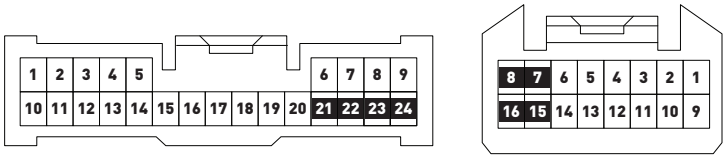
VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	White	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



INSTALL GUIDE
TOYOTA MATRIX
2013-2014

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

1 866 427-2999

support@idatalink.com

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

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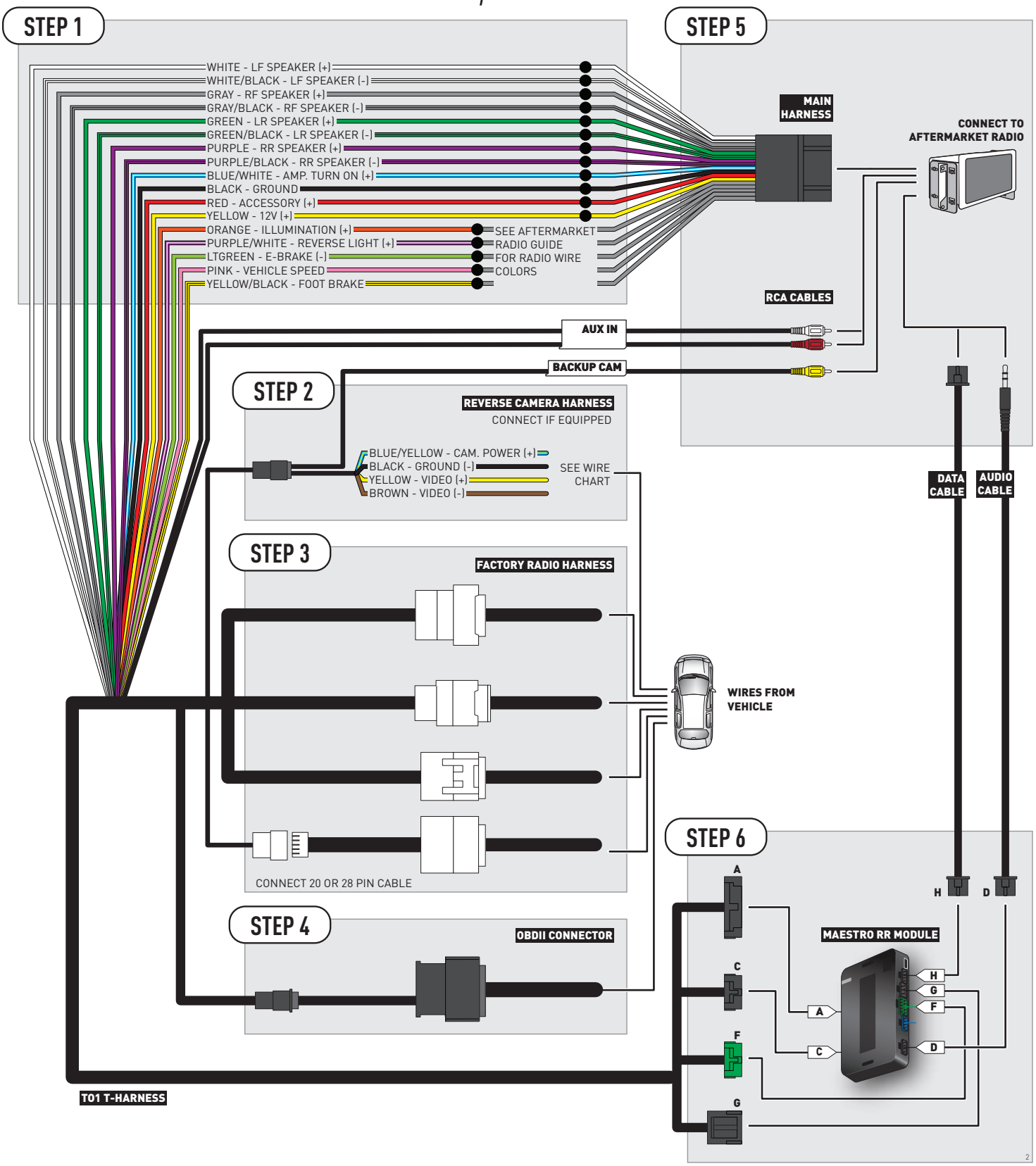
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA MATRIX
WITH JBL 2009-2012

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

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PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

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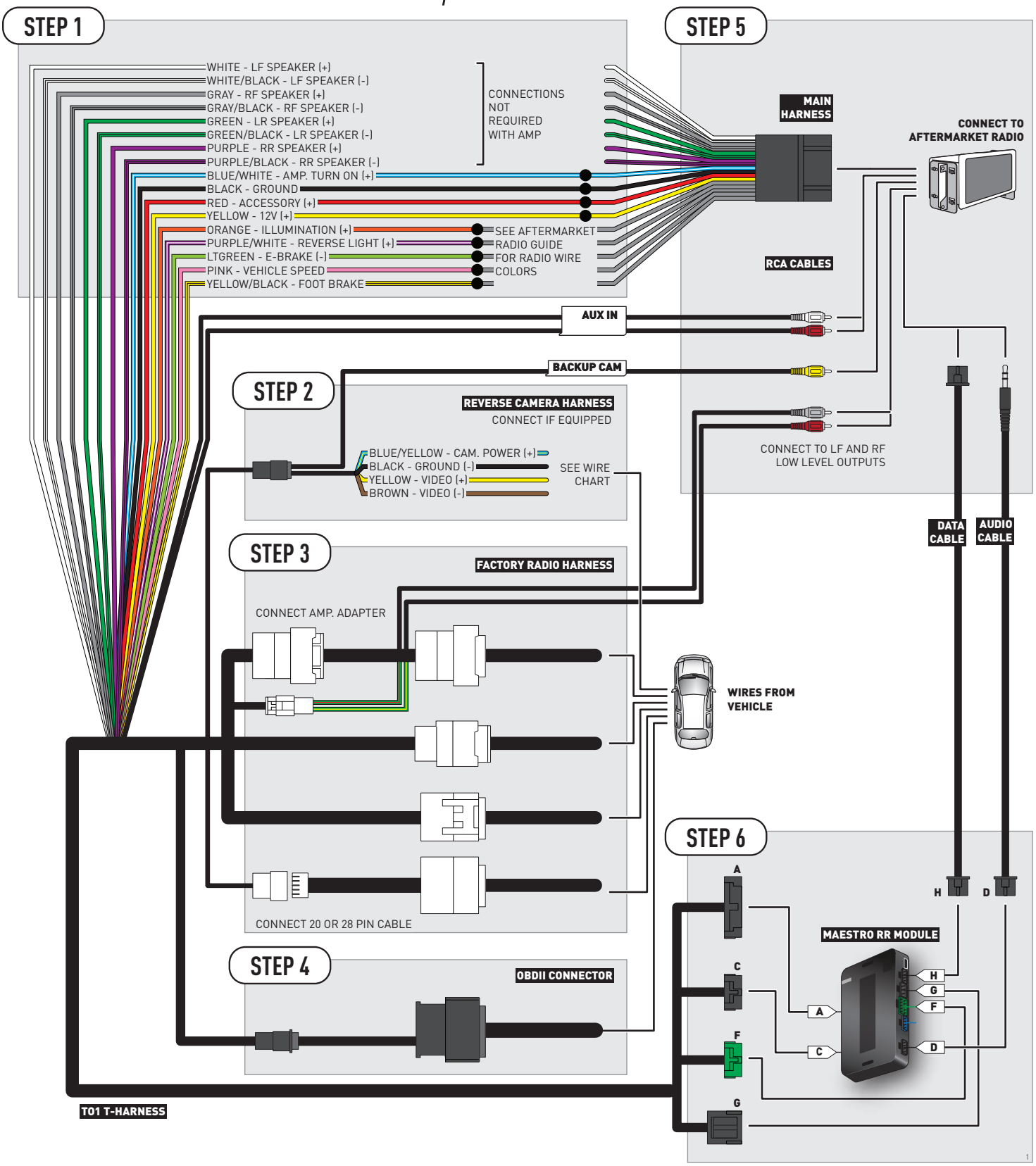
WIRING DIAGRAM *with an Amplifier*



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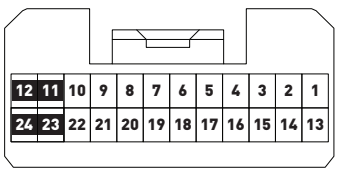
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA MATRIX
WITHOUT JBL 2009-2012

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

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- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

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- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

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STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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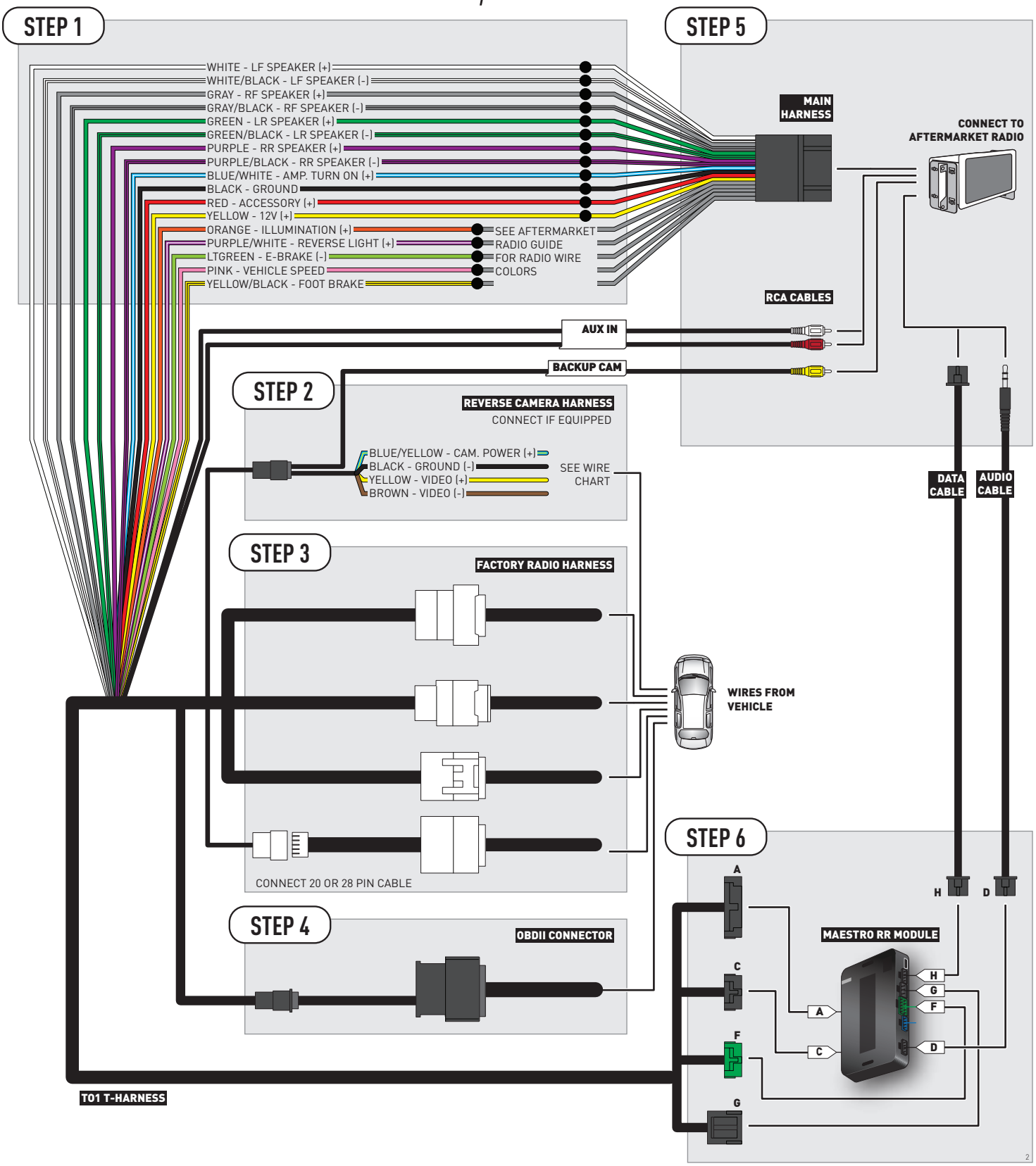
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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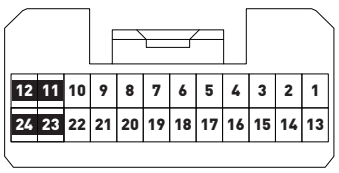
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA PRIUS
BASE 2012-2015

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

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WELCOME

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Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

1 866 427-2999

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maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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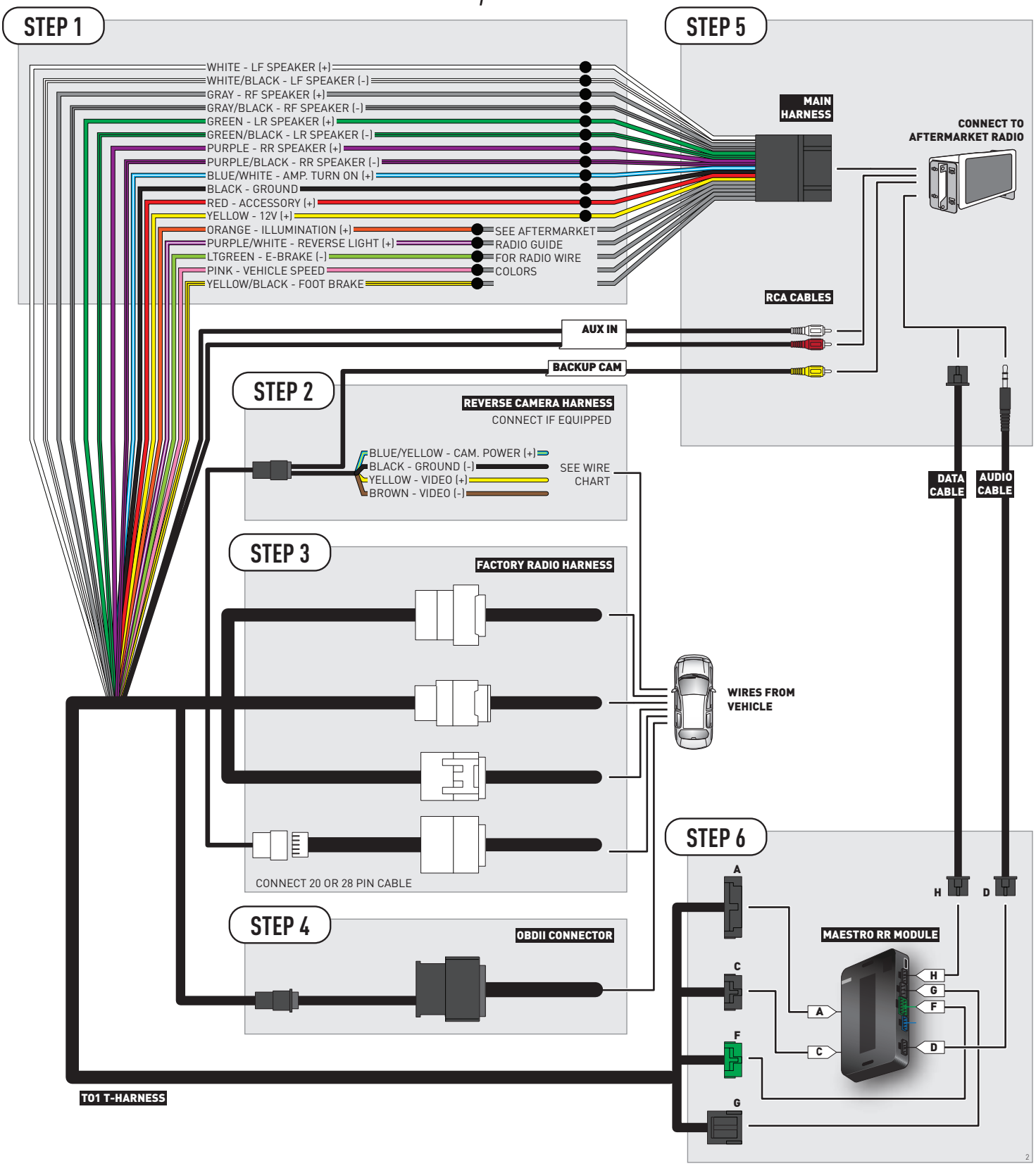
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
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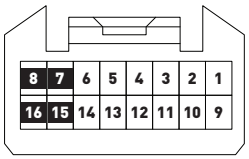

INSTALL GUIDE
TOYOTA PRIUS
WITH JBL 2010-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

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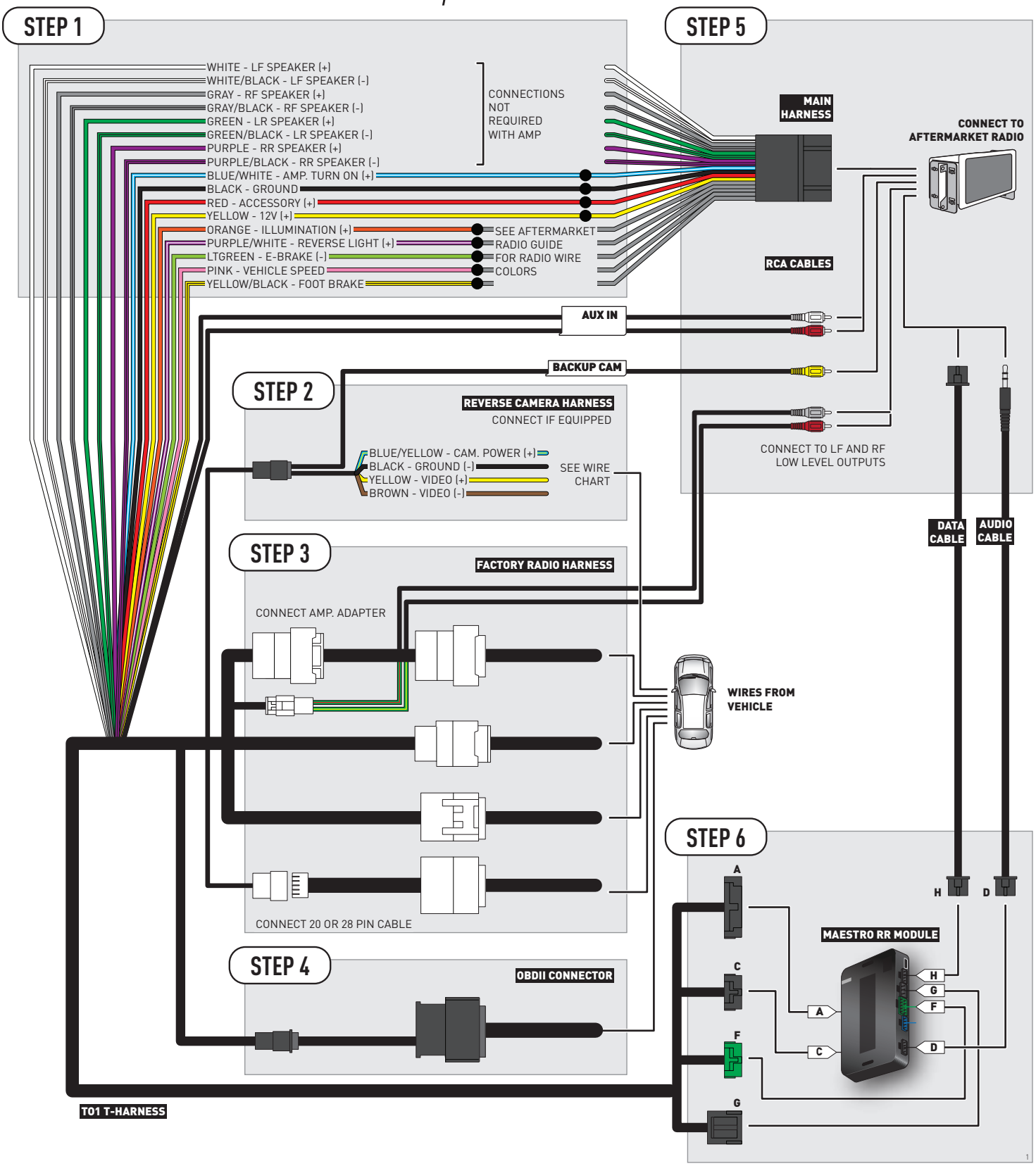
WIRING DIAGRAM *with an Amplifier*



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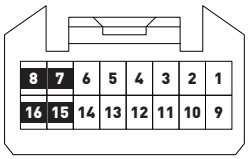

INSTALL GUIDE
TOYOTA PRIUS
WITHOUT JBL 2010-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

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PROGRAMMED FIRMWARE

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- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

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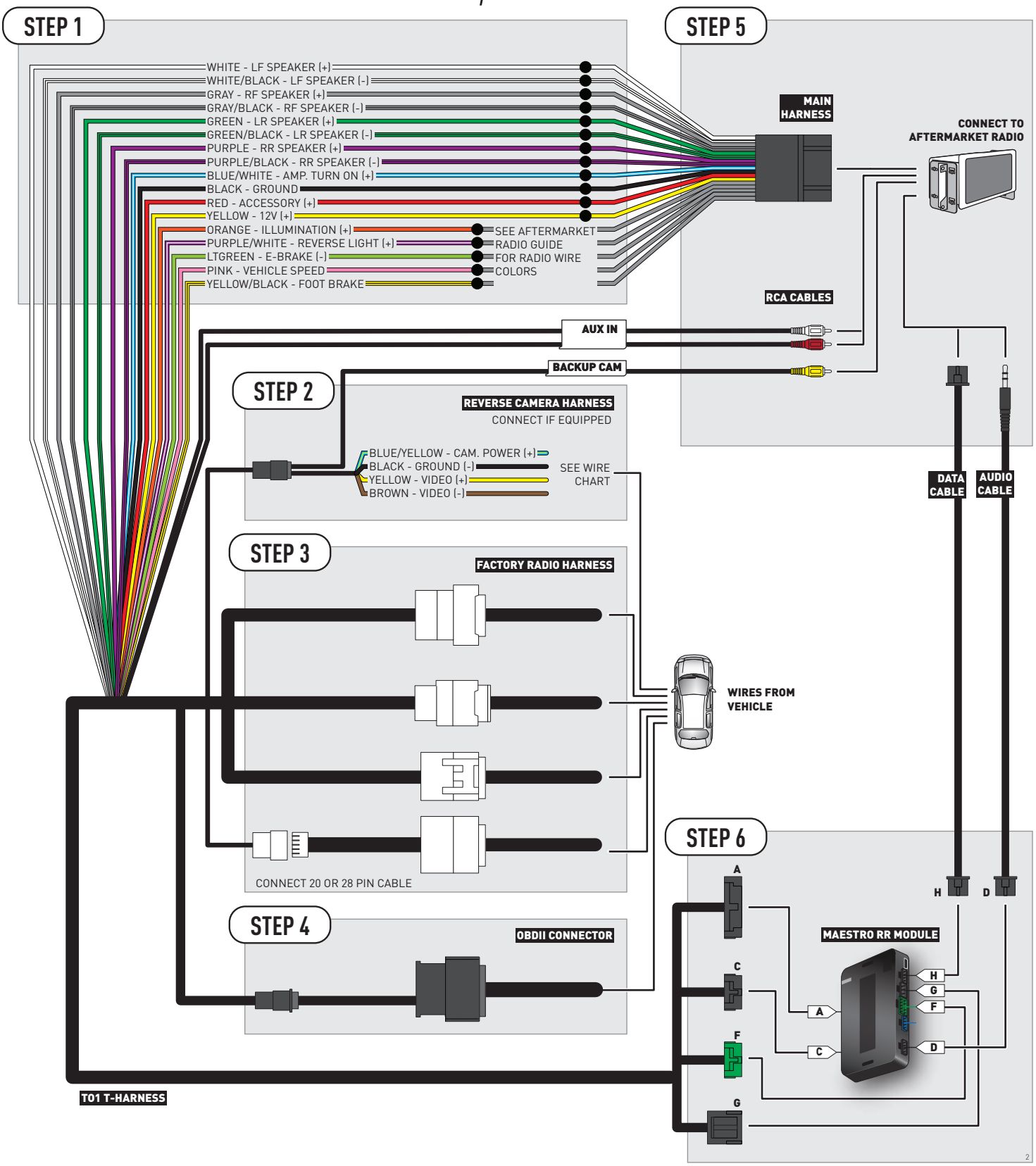
WIRING DIAGRAM *without an Amplifier*



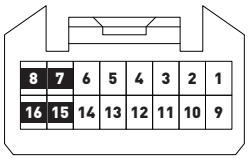
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	White	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Black	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA RAV 4
2012

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

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- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
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- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

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STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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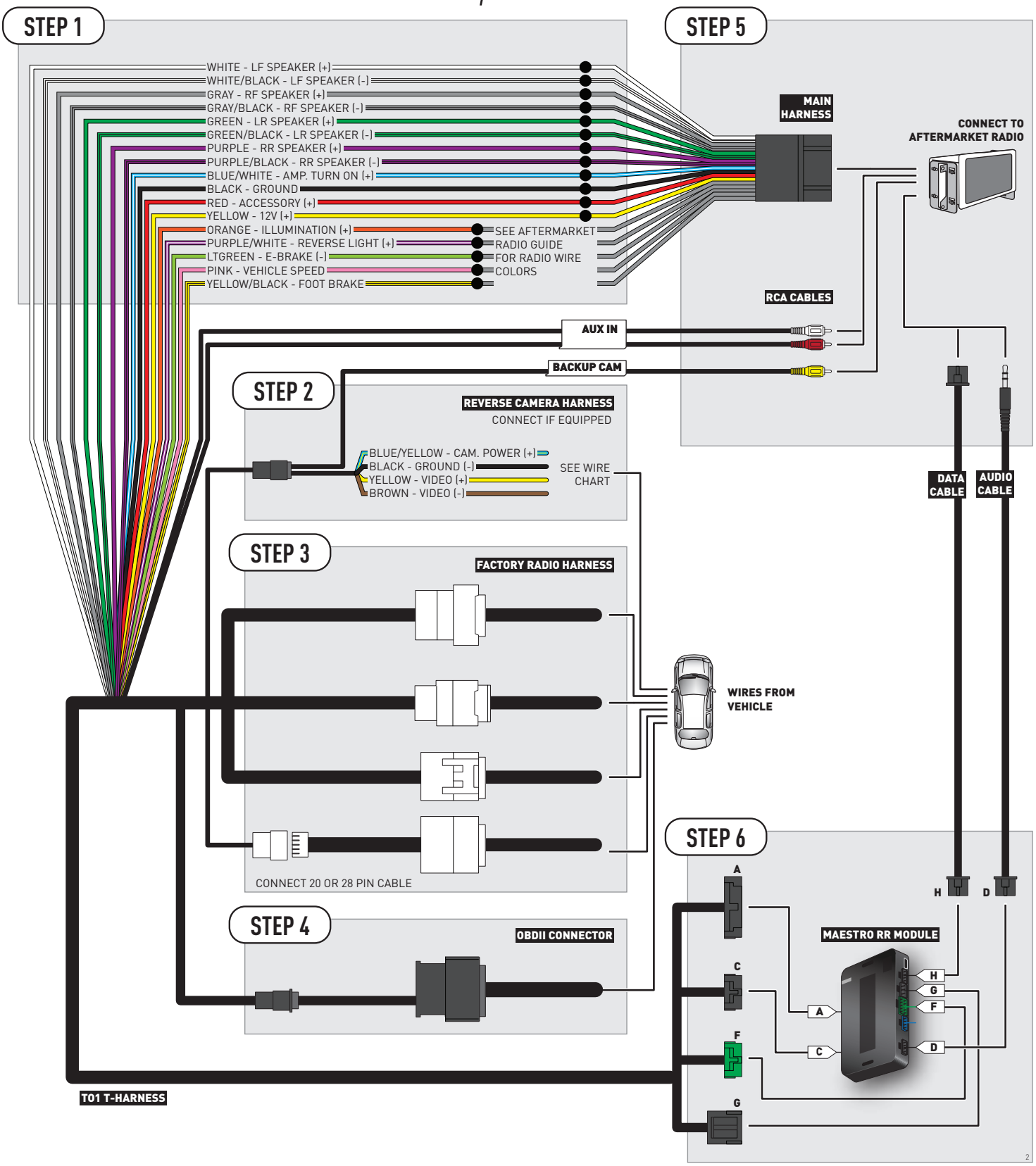

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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA RAV 4
WITH JBL 2006-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

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TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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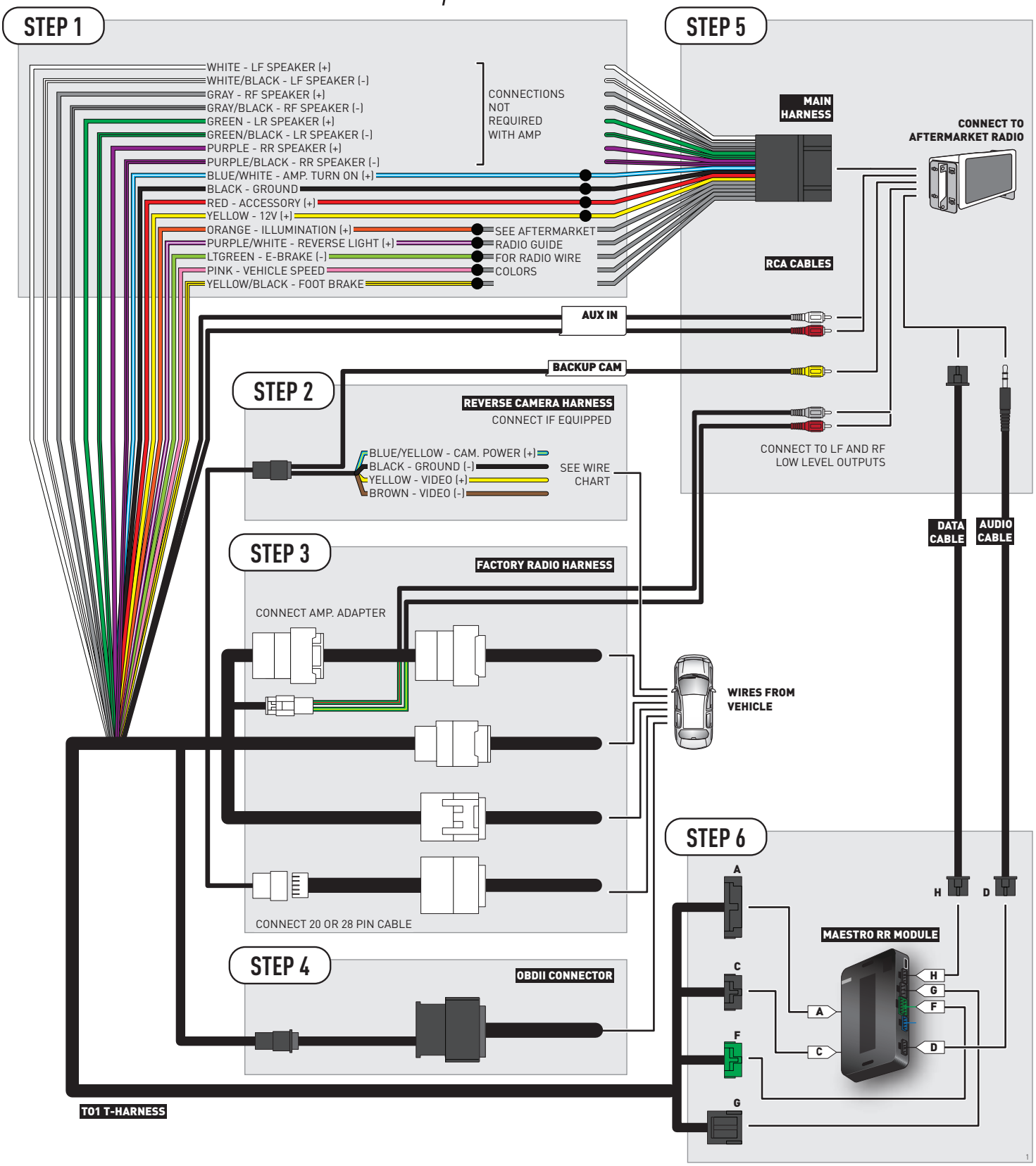

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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA RAV 4
WITHOUT JBL 2006-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

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PROGRAMMED FIRMWARE

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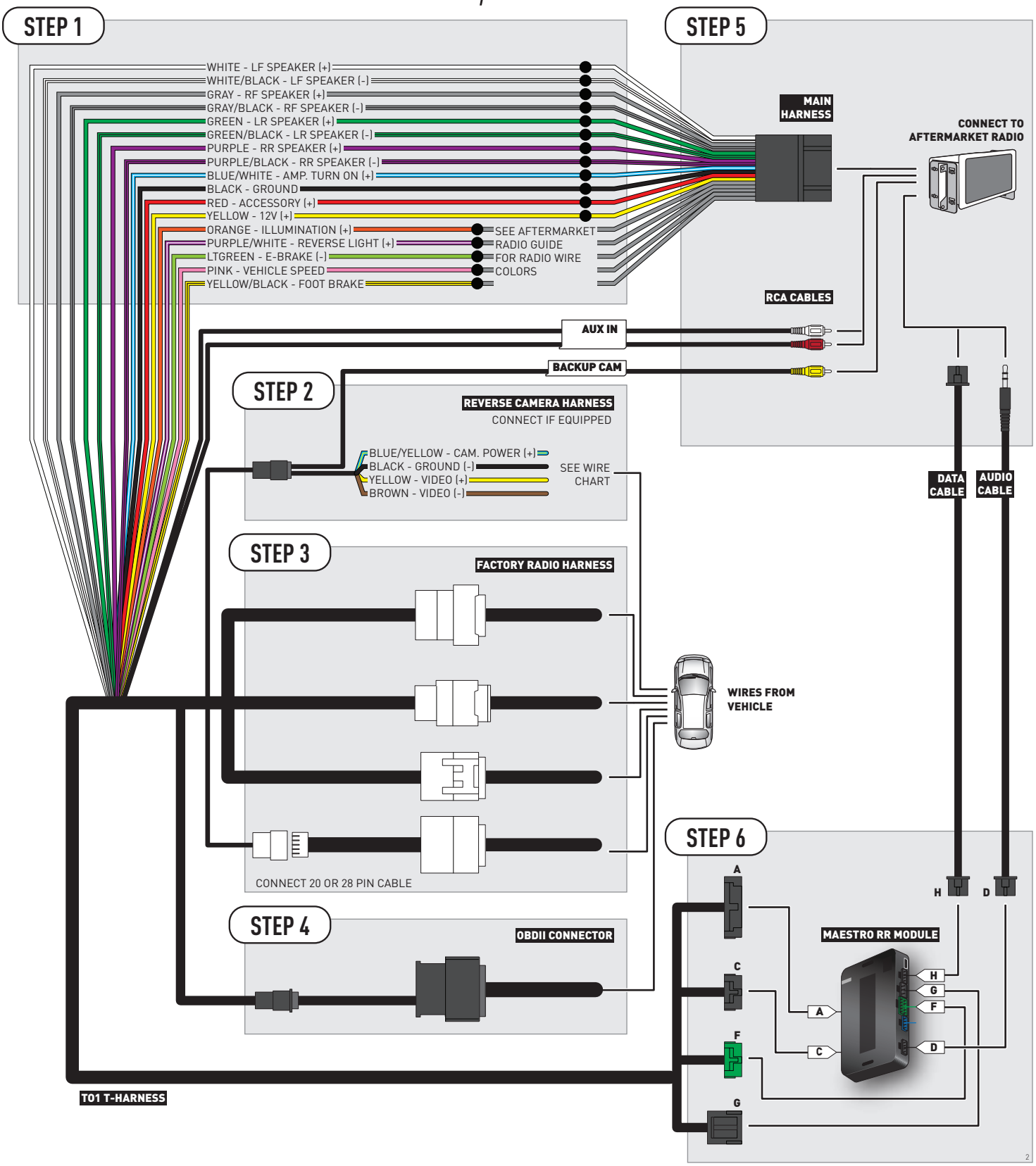

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Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA SEQUOIA
WITH JBL 2008-2013

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

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iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

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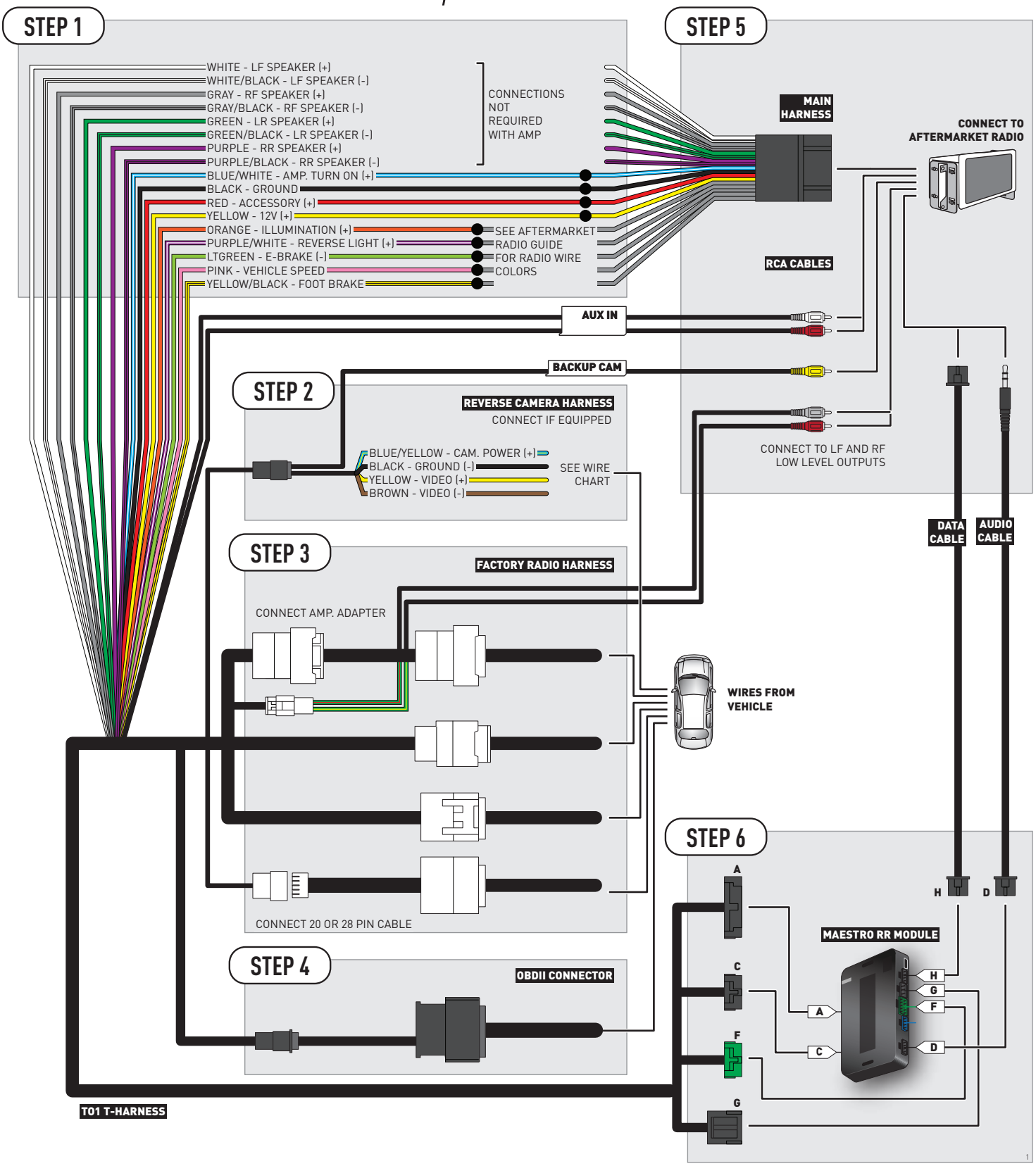
WIRING DIAGRAM *with an Amplifier*



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Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	White	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
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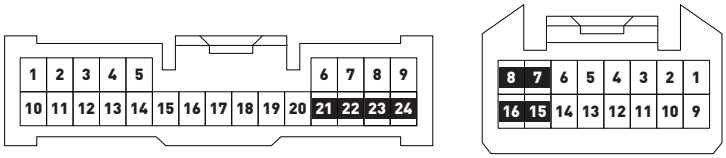
REVERSE CAMERA CONNECTORS (WIRE SIDE)



INSTALL GUIDE
TOYOTA SEQUOIA
WITHOUT JBL 2008-2013

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

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PROGRAMMED FIRMWARE

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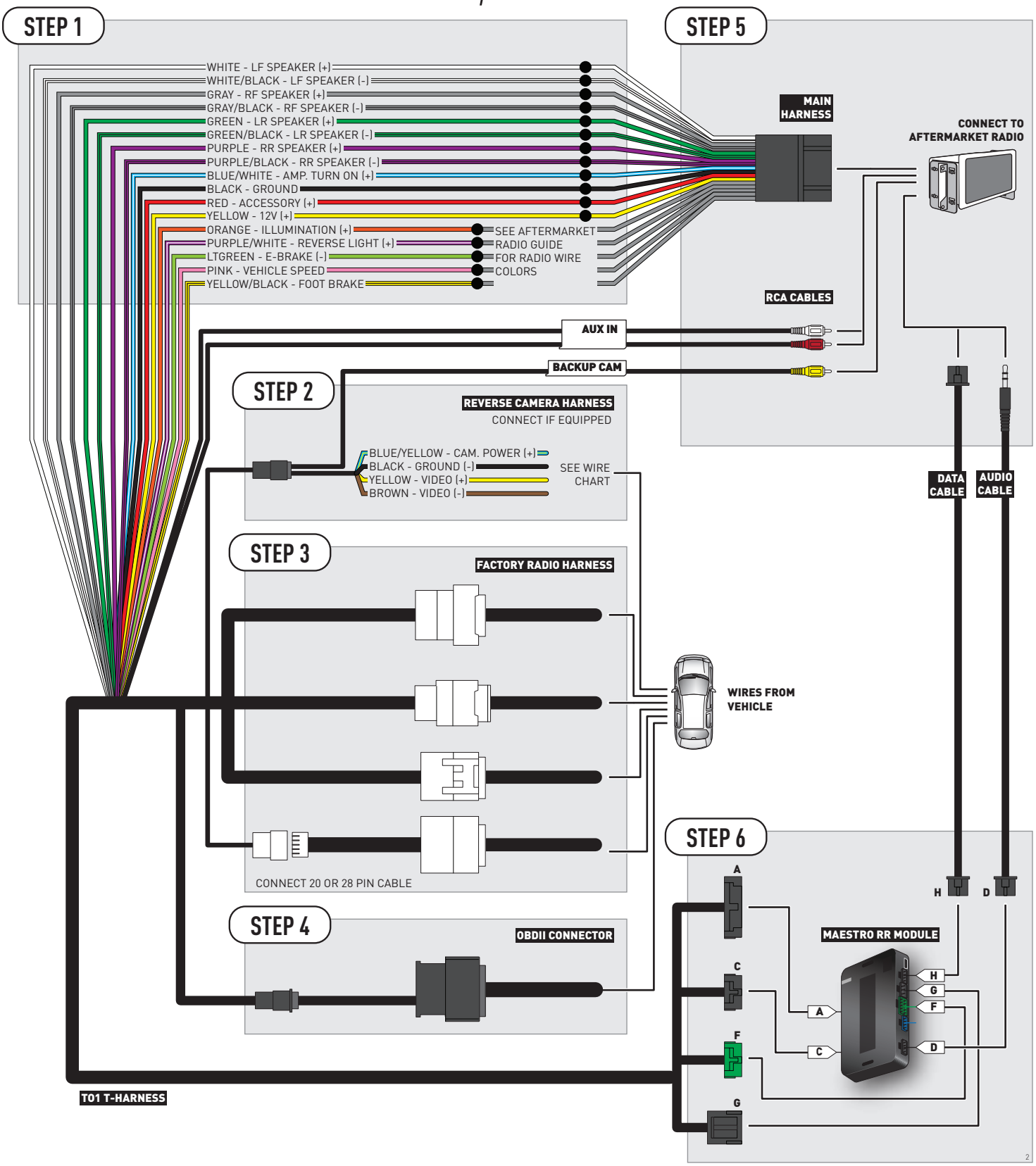

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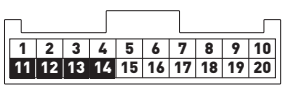
REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA SEQUOIA
WITHOUT JBL 2014-2018

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

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Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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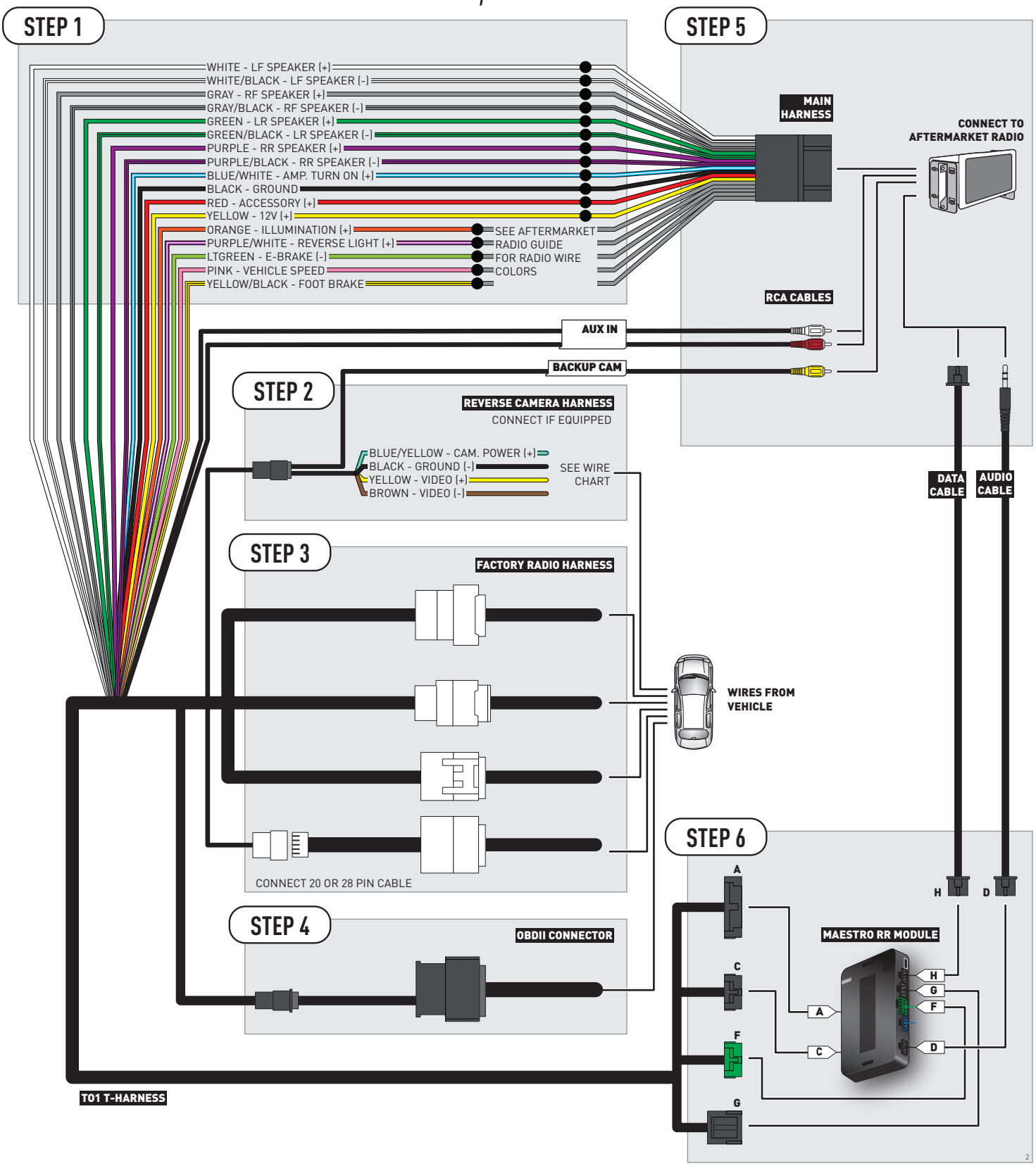
WIRING DIAGRAM *without an Amplifier*



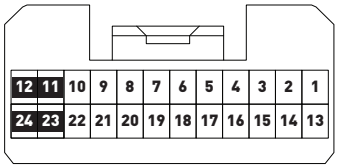
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	White	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



INSTALL GUIDE
TOYOTA SIENNA
WITH JBL 2007-2010

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
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Radar Integration Owner's Guide for Kenwood and JVC Radios

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NEED HELP?

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- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

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- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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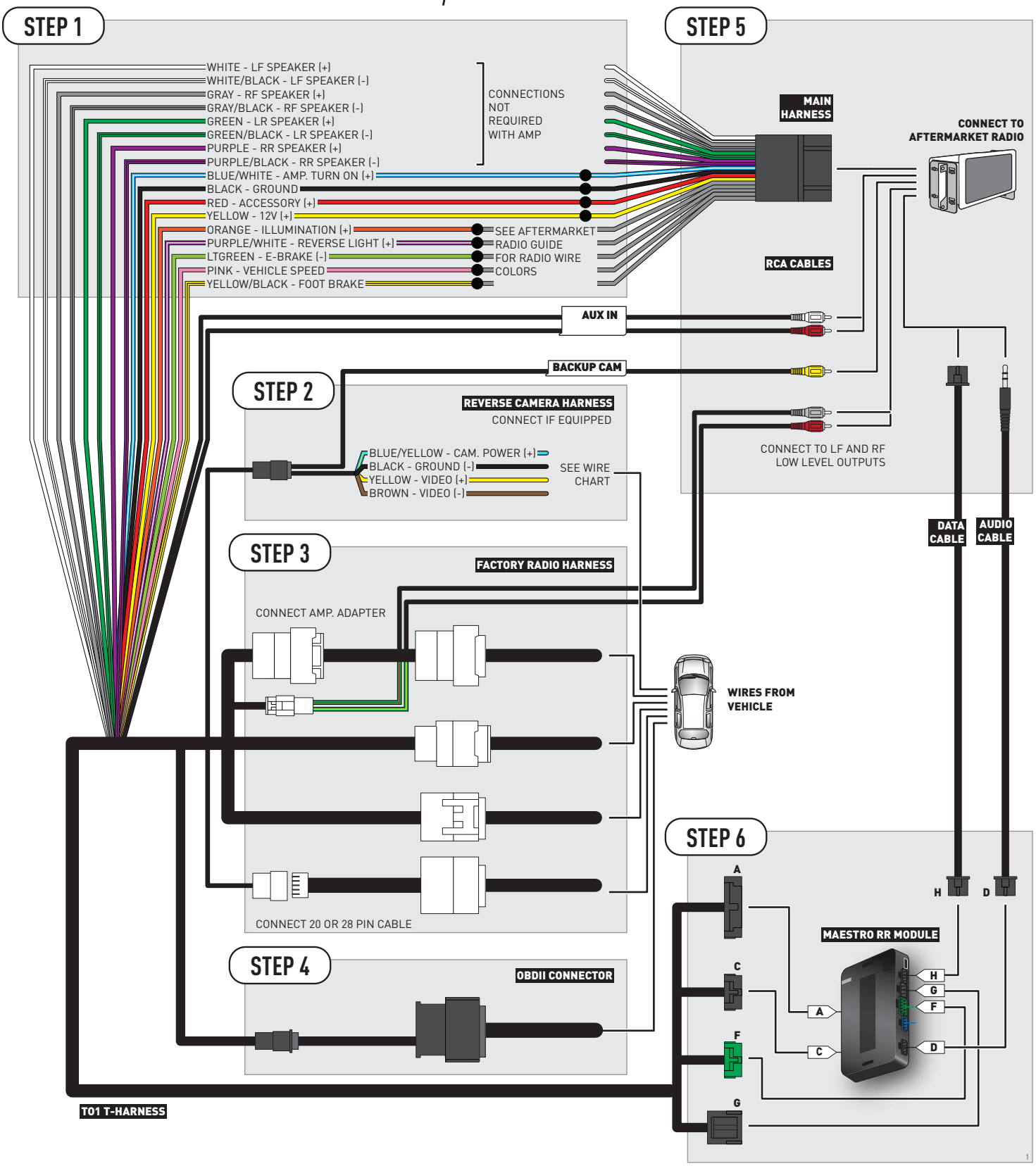
WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

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Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
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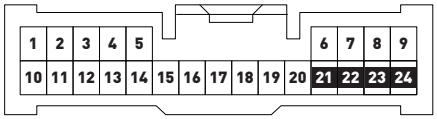
REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA SIENNA
WITH JBL 2011-2014

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

  Note: The reverse camera cannot be retained in this vehicle.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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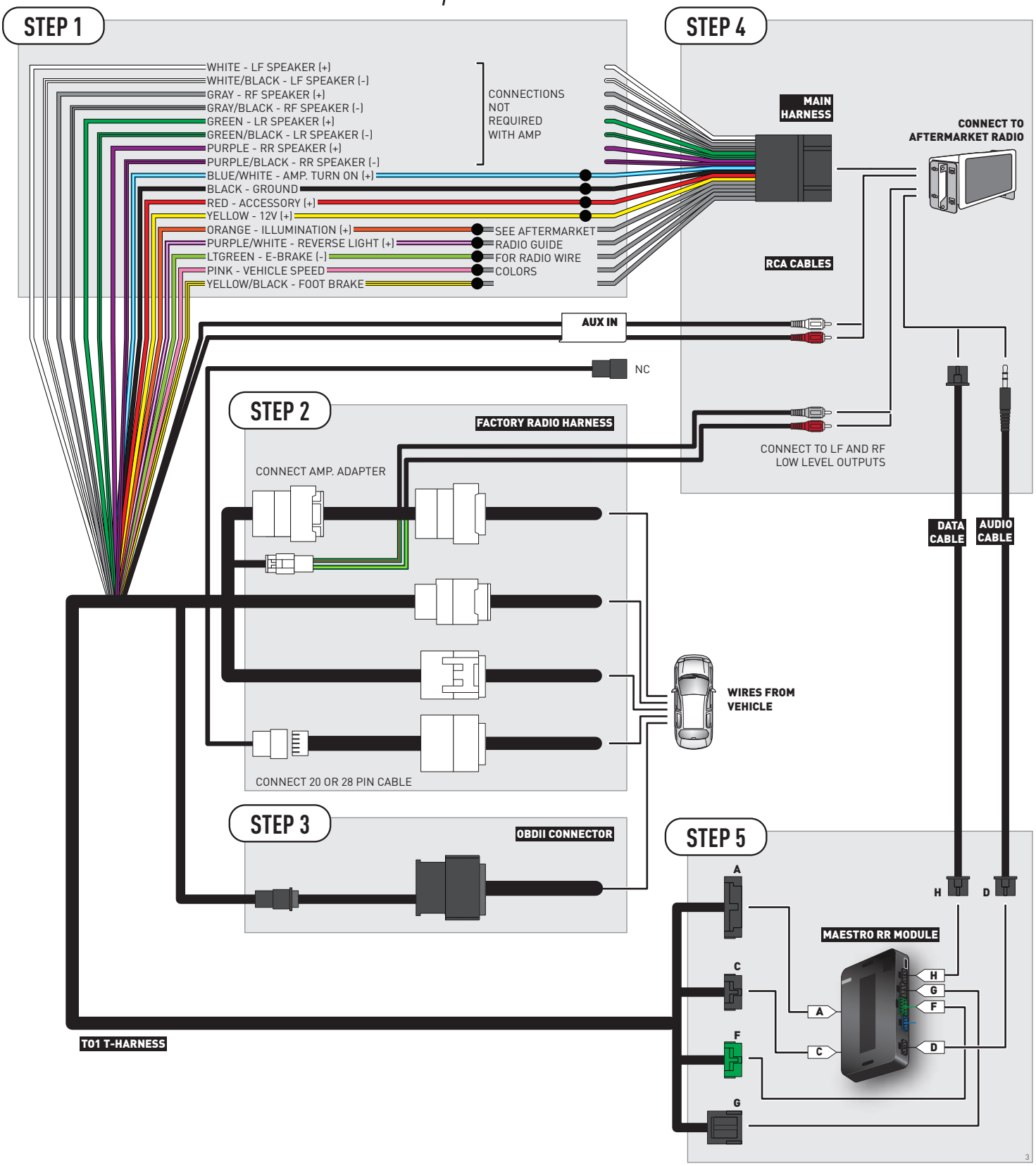
WIRING DIAGRAM *with an Amplifier*



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Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA SIENNA
WITHOUT JBL 2007-2010

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

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STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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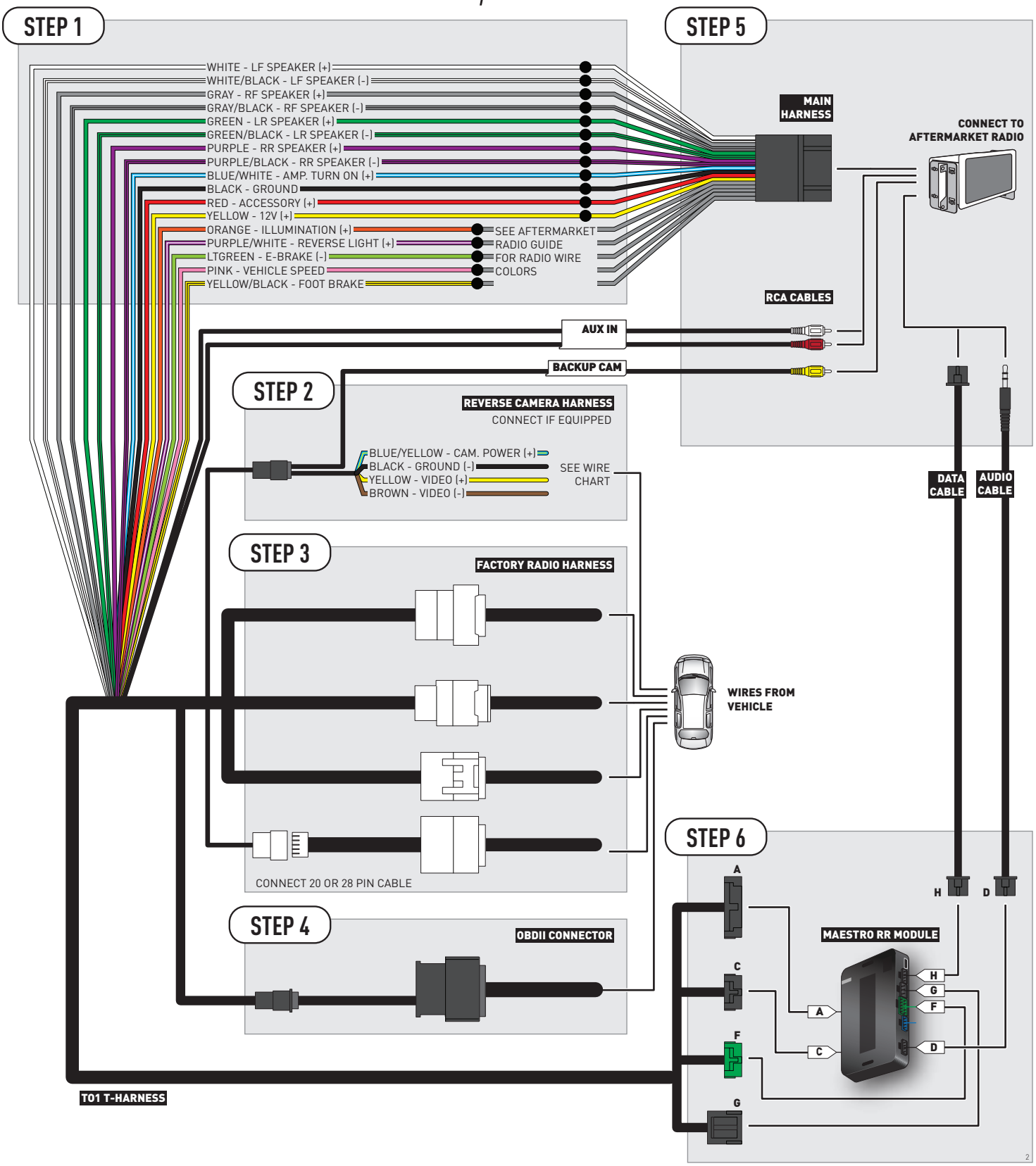

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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA SIENNA
WITHOUT JBL 2011-2014

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

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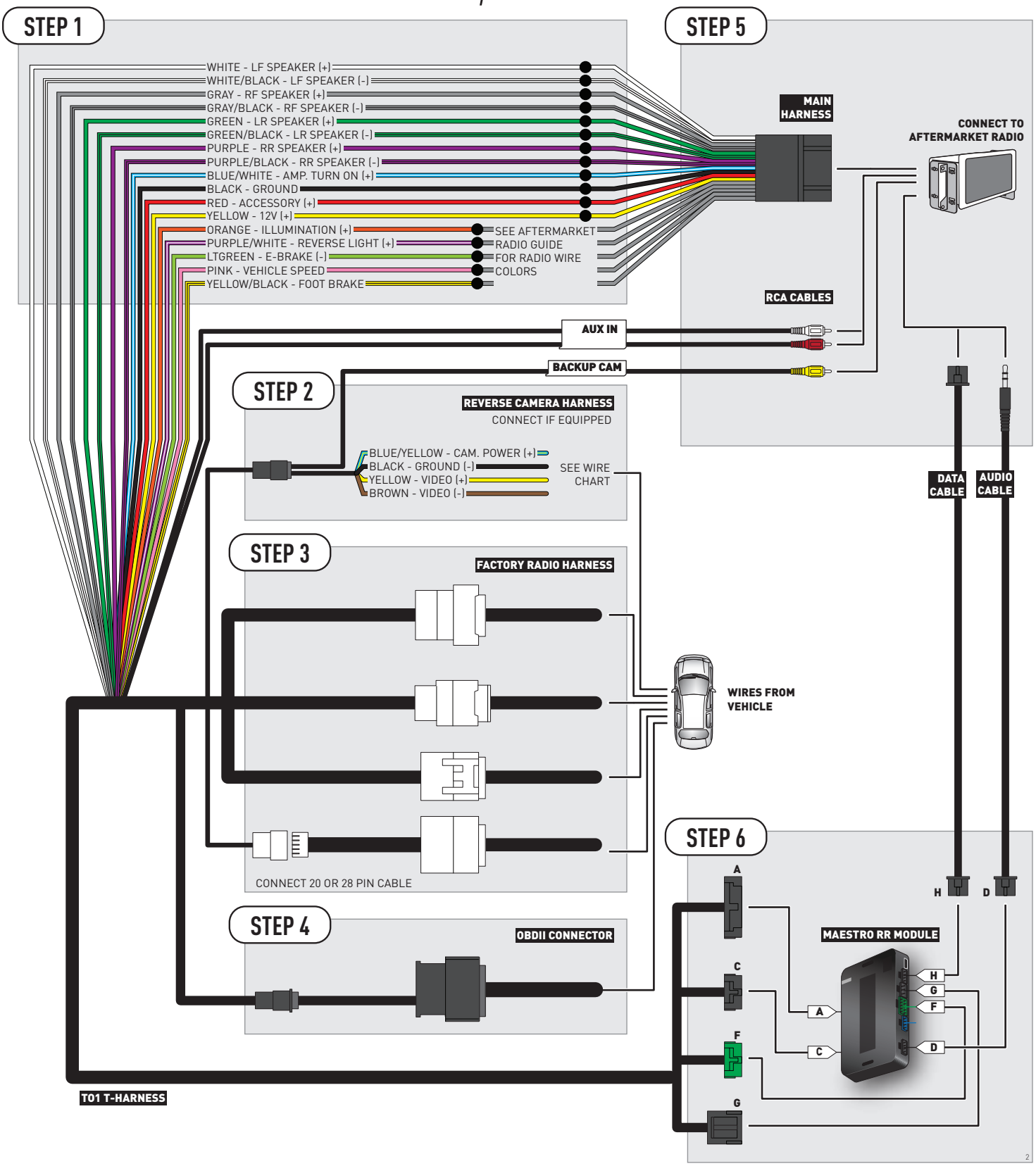

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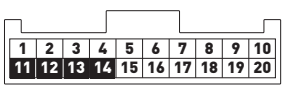

INSTALL GUIDE
TOYOTA TACOMA
WITH JBL 2005-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

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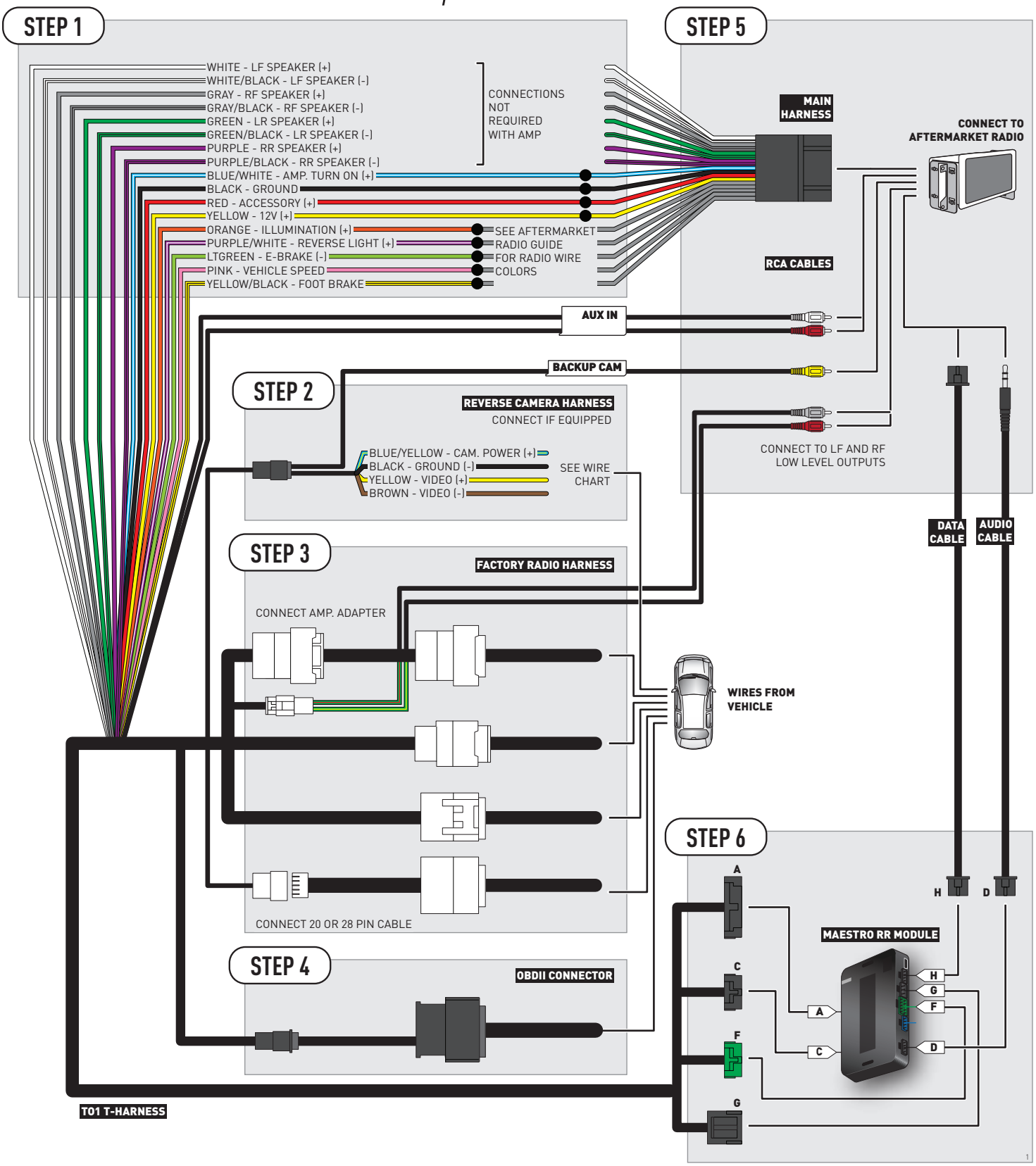
WIRING DIAGRAM *with an Amplifier*



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Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

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INSTALL GUIDE
TOYOTA TACOMA
WITH JBL 2012-2013

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

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Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

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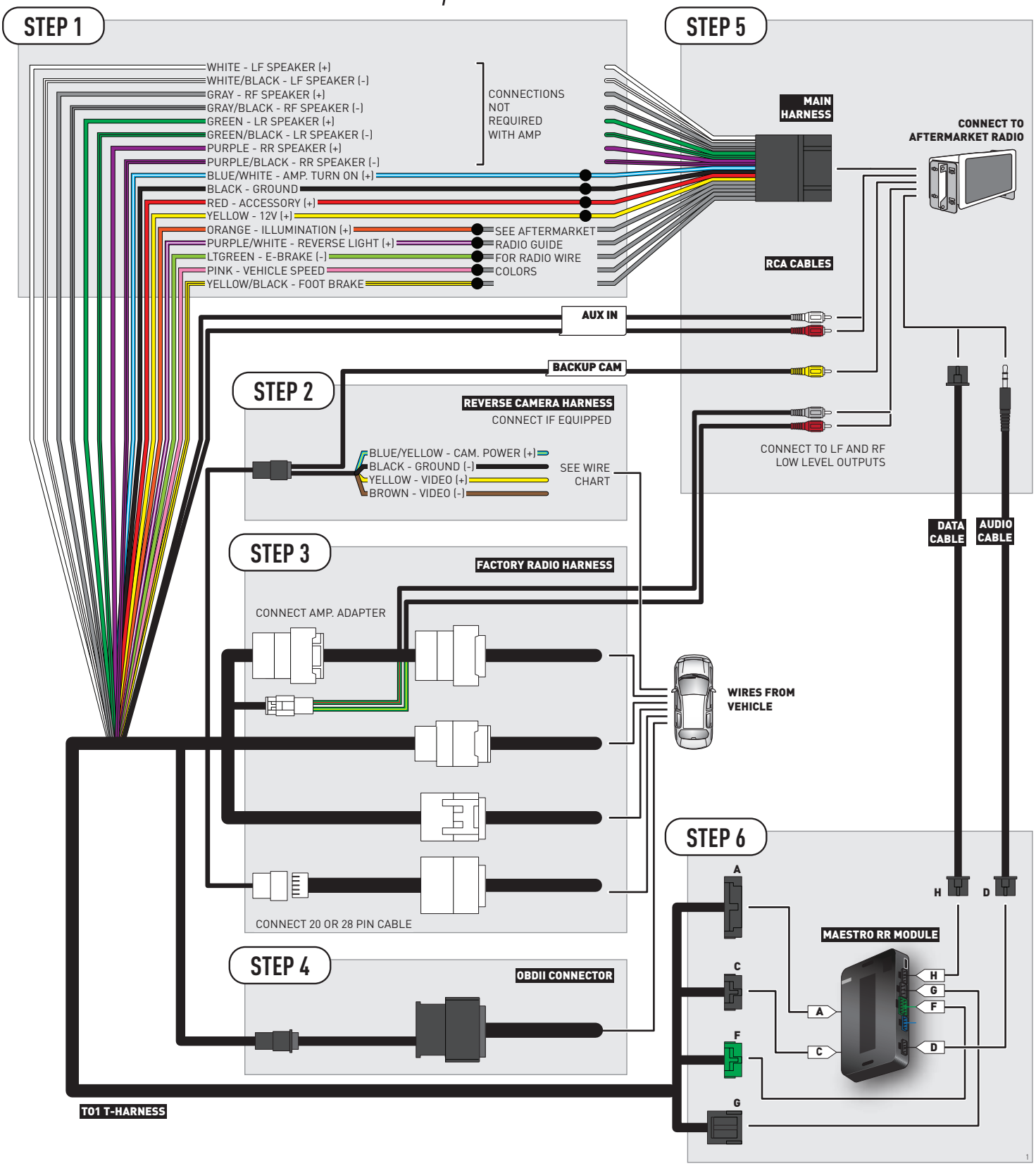
WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

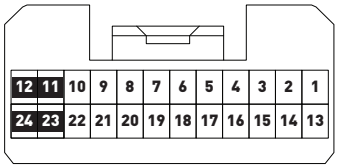
VEHICLE WIRE REFERENCE CHART

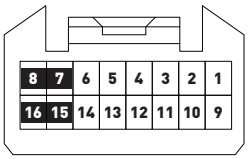
Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)





INSTALL GUIDE
TOYOTA TACOMA
WITH JBL 2014-2015

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut RCA wires from amp. adapter and connect them to matching wires of TO1 t-harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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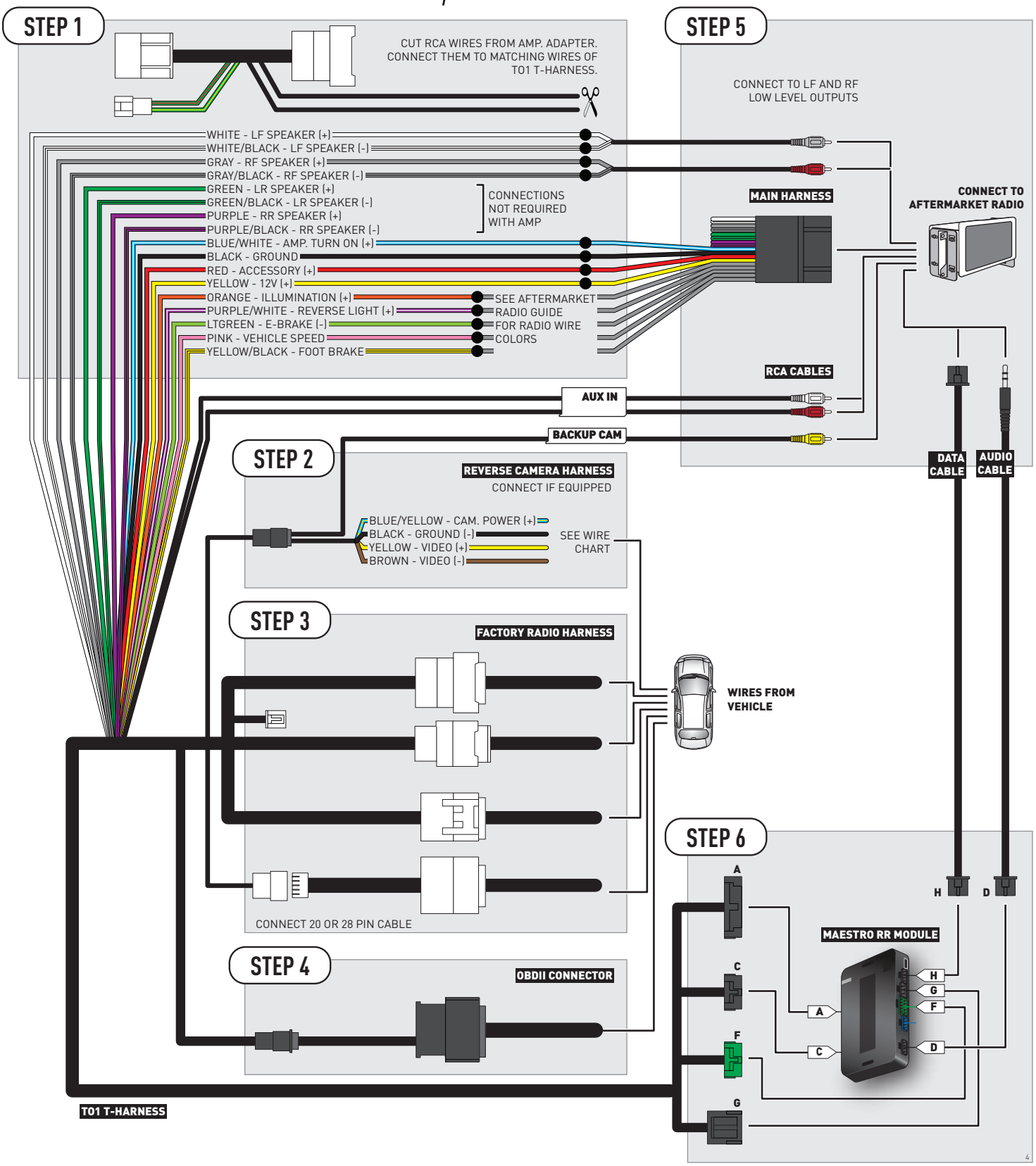
1

WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

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Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
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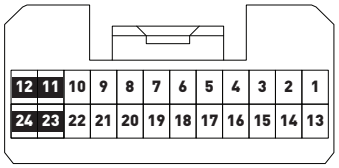

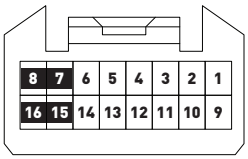

INSTALL GUIDE
TOYOTA TACOMA
WITHOUT JBL 2005-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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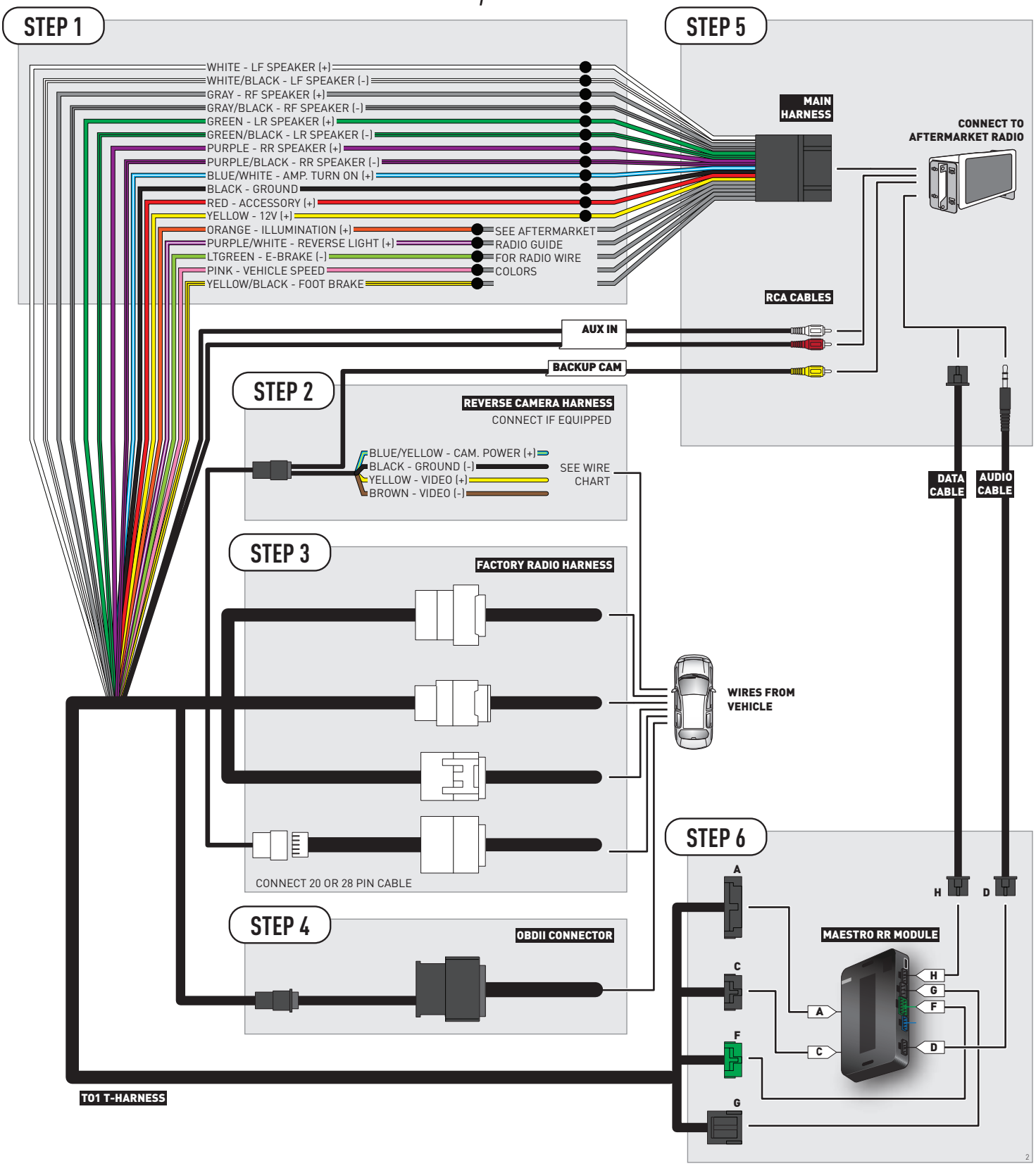
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA TACOMA
WITHOUT JBL 2012-2015

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

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- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

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- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

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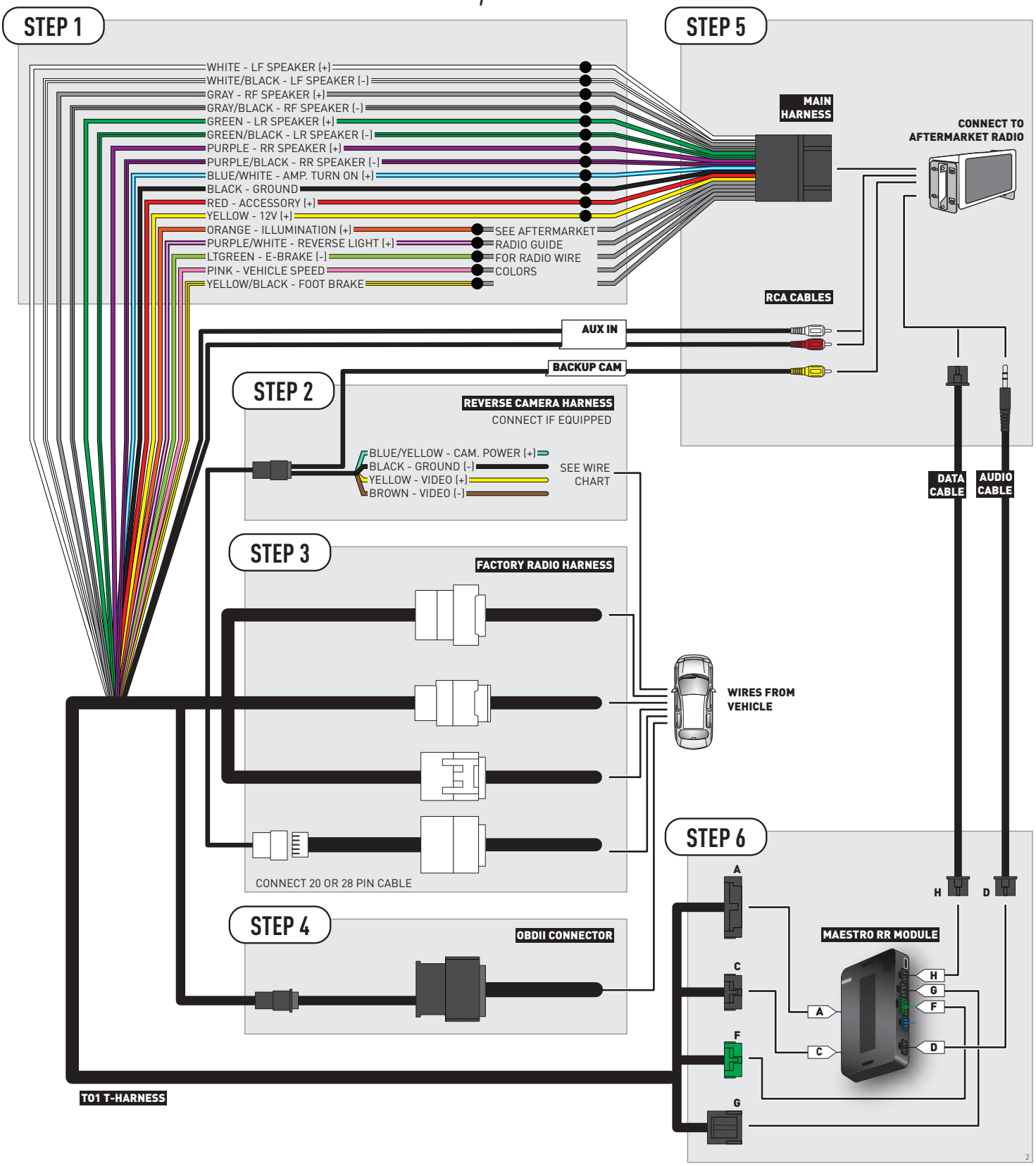

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VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
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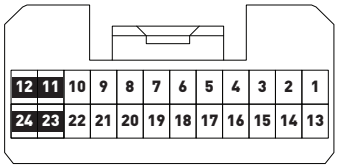

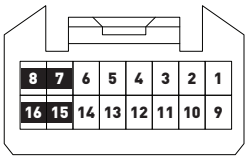

INSTALL GUIDE
TOYOTA TUNDRA
WITH JBL 2007-2013

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

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- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

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- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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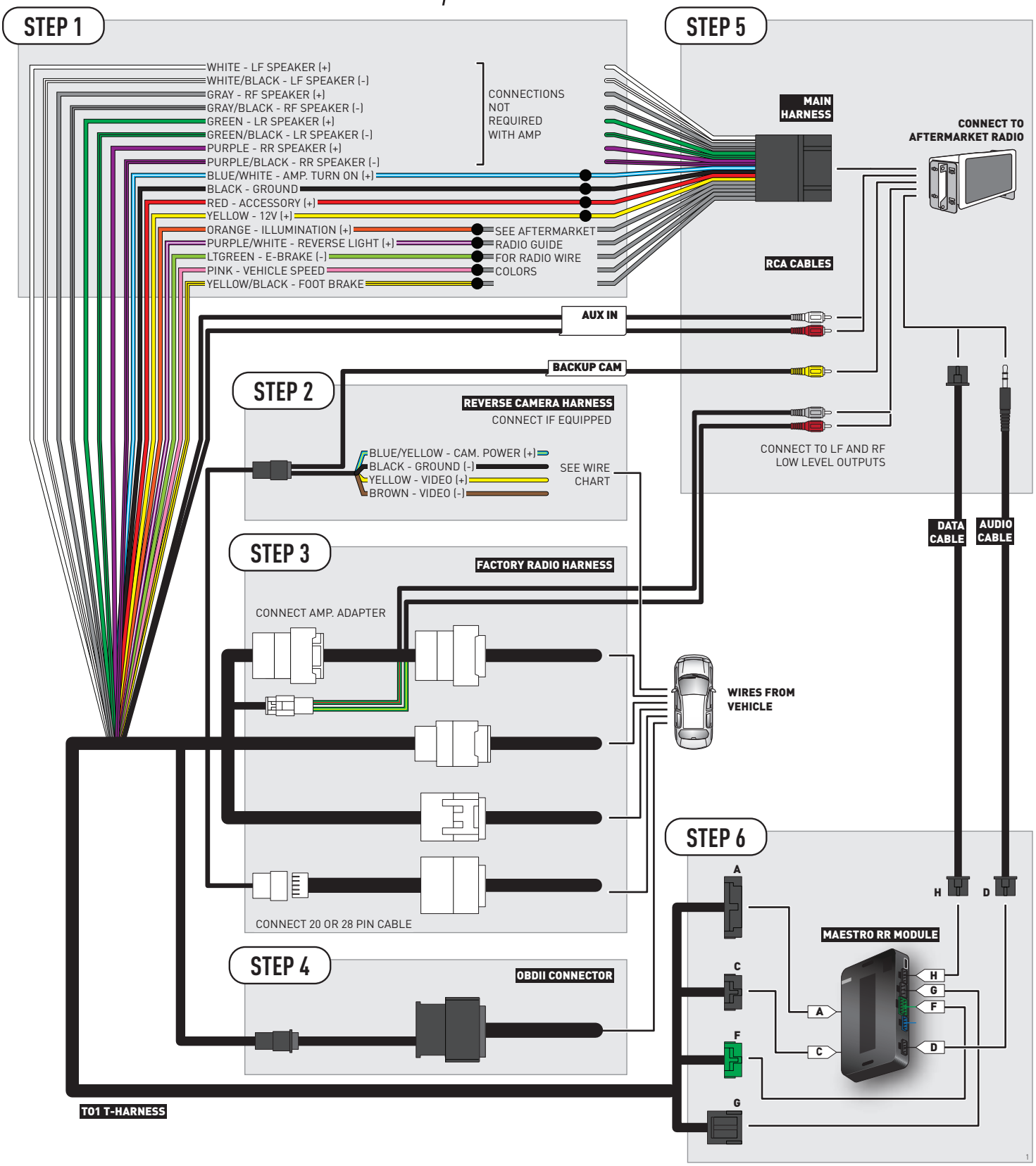

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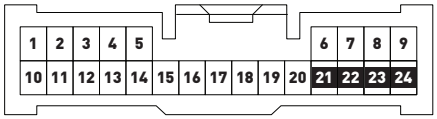
REVERSE CAMERA CONNECTOR (WIRE SIDE)



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TOYOTA TUNDRA
WITHOUT JBL 2007-2013

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Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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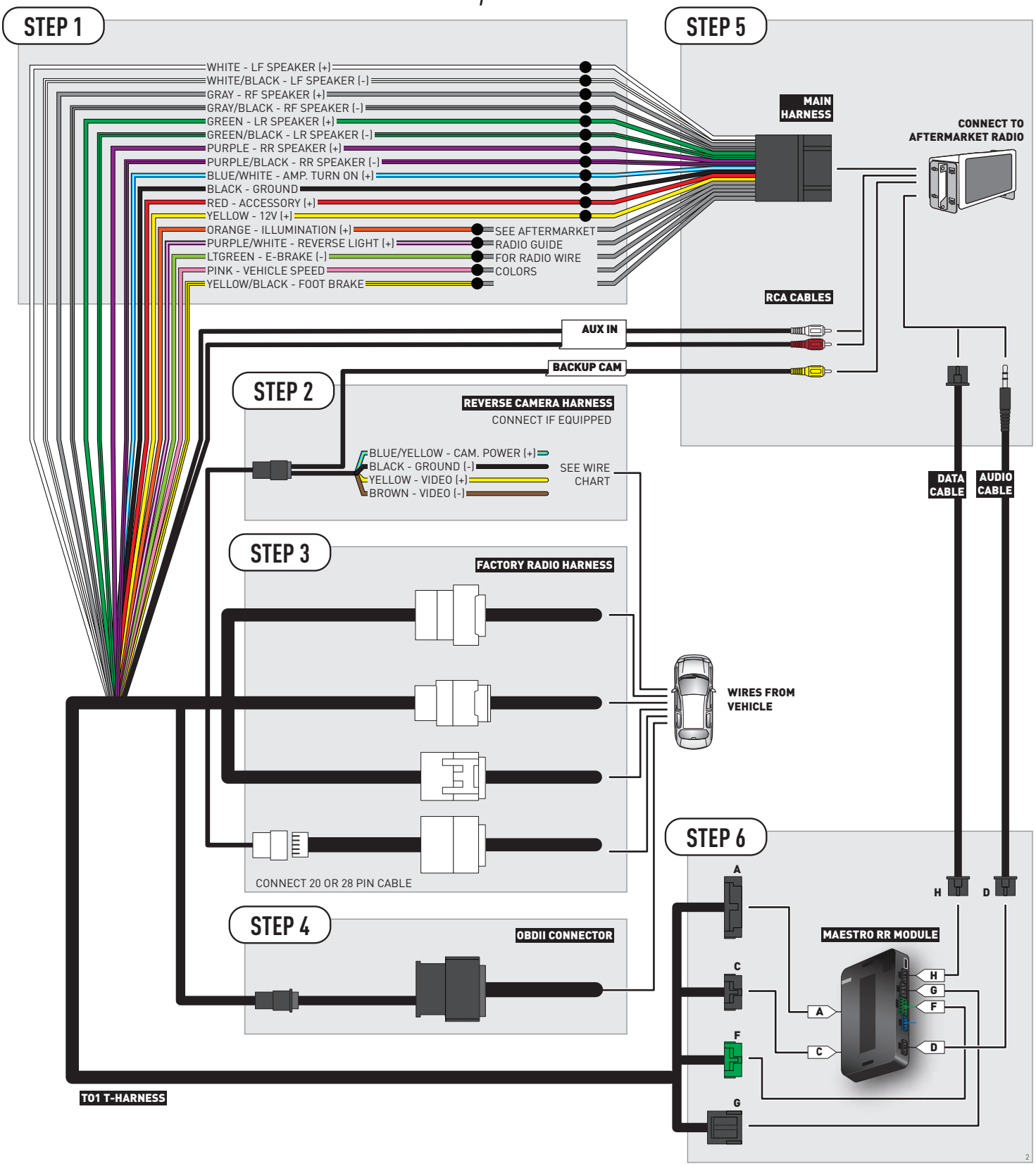
WIRING DIAGRAM *without an Amplifier*



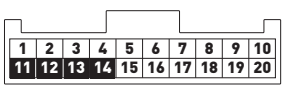
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	20 pin	13	Black	(+)	Reverse camera harness
Ground	~	~	20 pin	14	White	(-)	Reverse camera harness
Video +	~	~	20 pin	11	Red	(+)	Reverse camera harness
Video -	~	~	20 pin	12	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



INSTALL GUIDE
TOYOTA VENZA
WITH JBL 2009-2012

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

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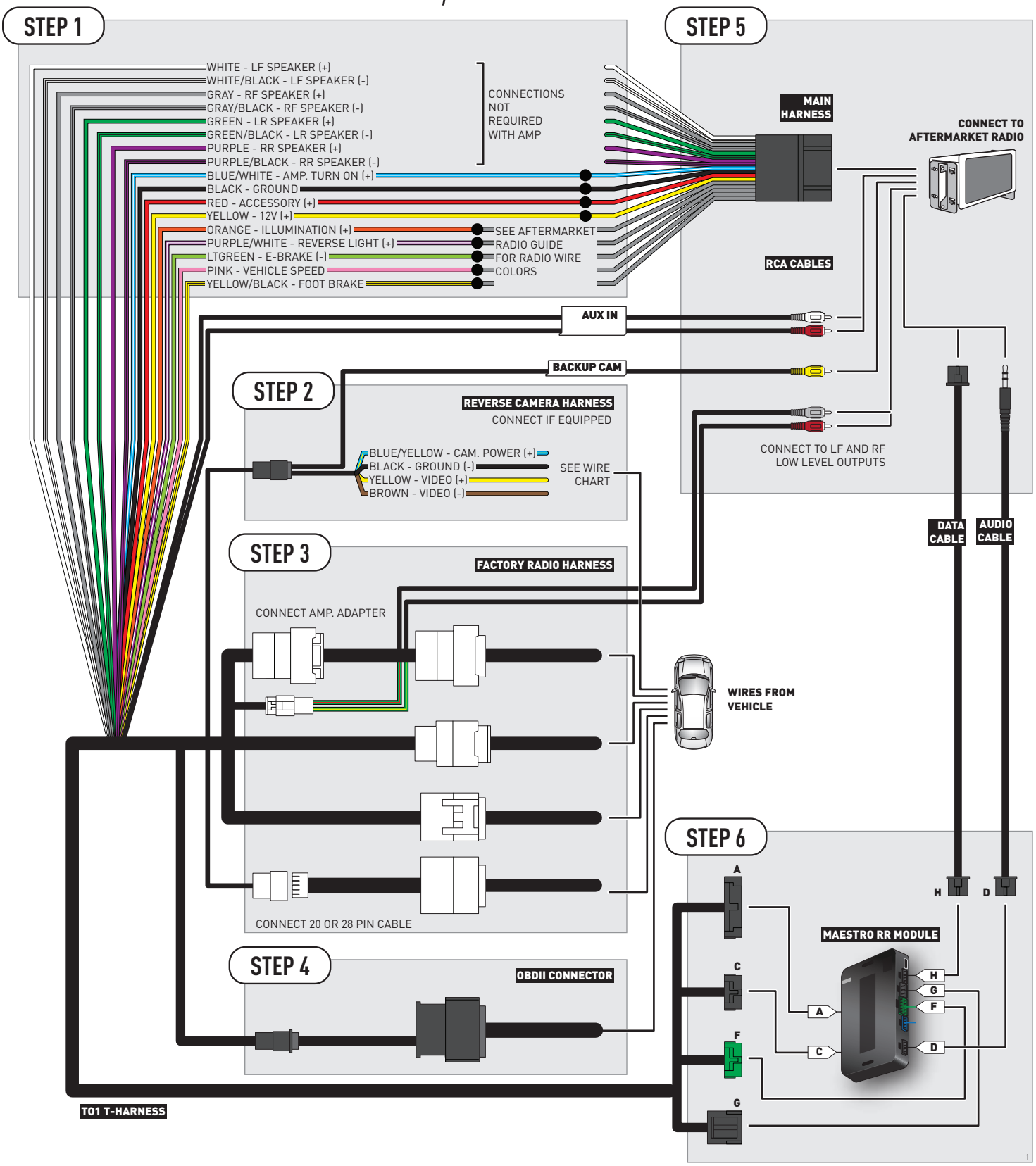
WIRING DIAGRAM *with an Amplifier*



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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

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Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
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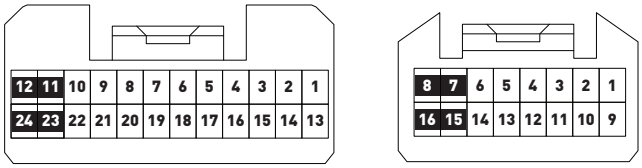
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



INSTALL GUIDE
TOYOTA VENZA
WITH JBL 2013-2014

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

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iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

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STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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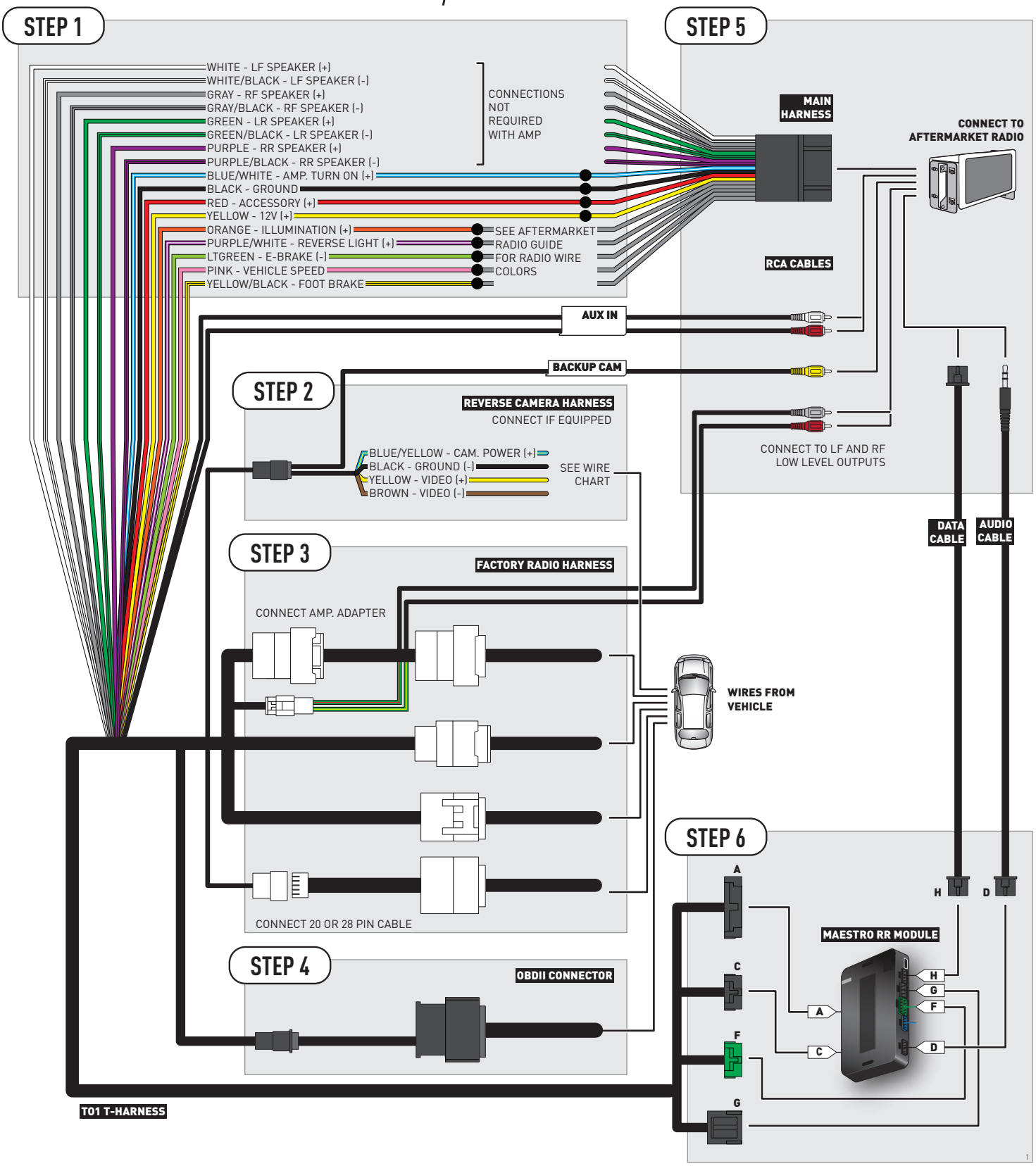
WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

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Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
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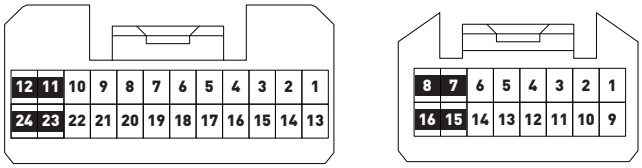
REVERSE CAMERA CONNECTORS (WIRE SIDE)



INSTALL GUIDE
TOYOTA VENZA
WITHOUT JBL 2009-2012

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

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STEP 1

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- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

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- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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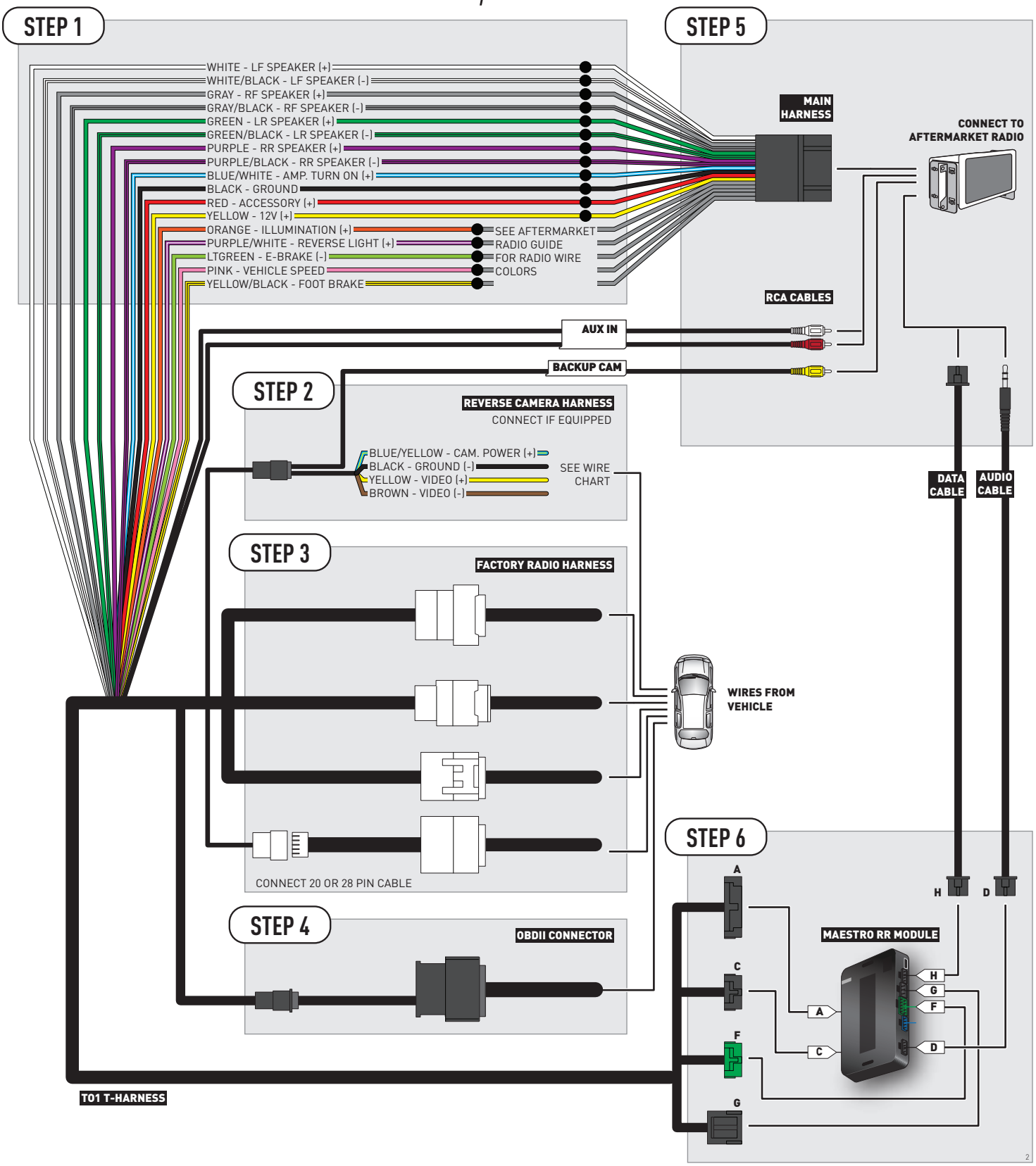

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VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA VENZA
WITHOUT JBL 2013-2014

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

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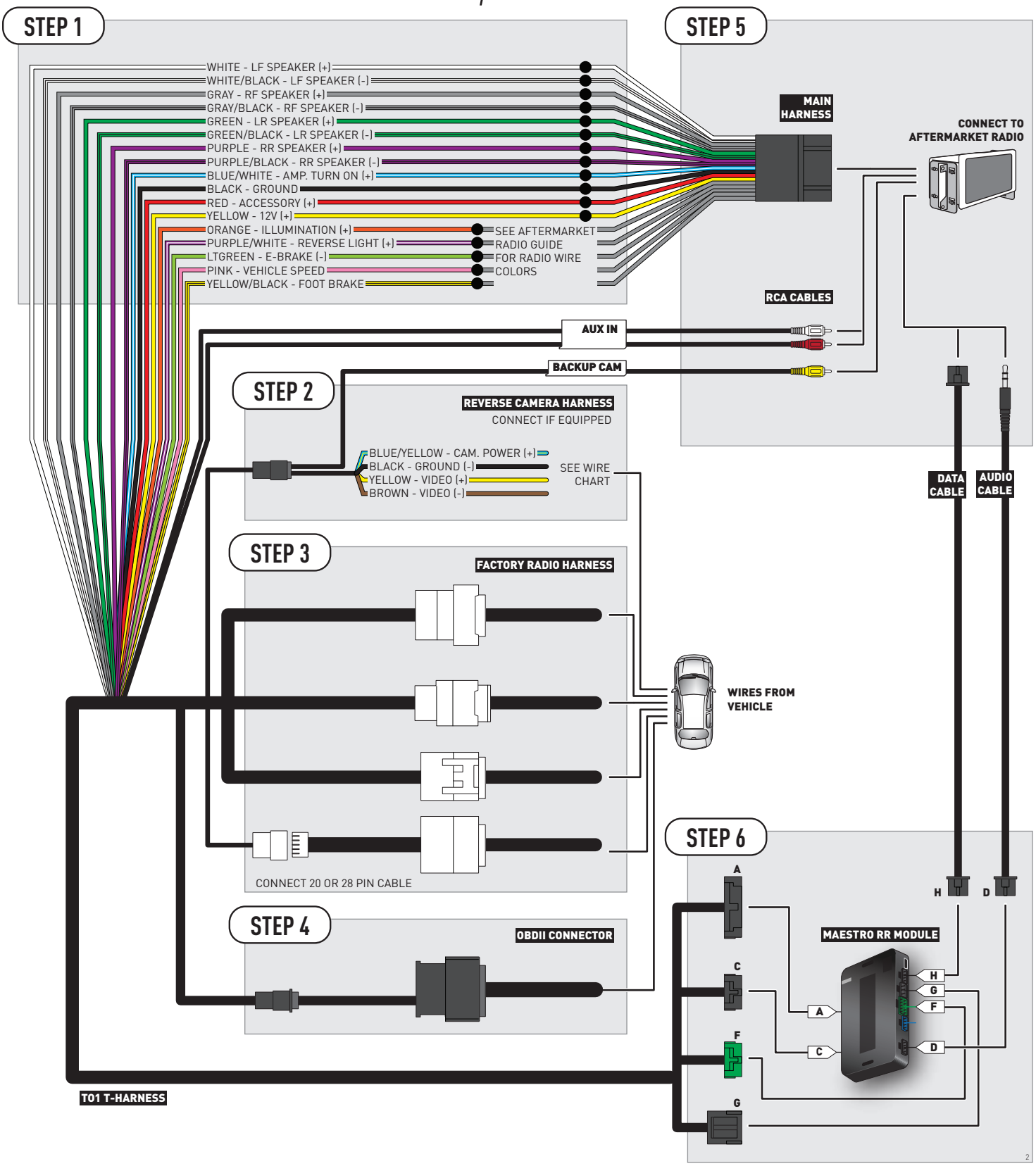

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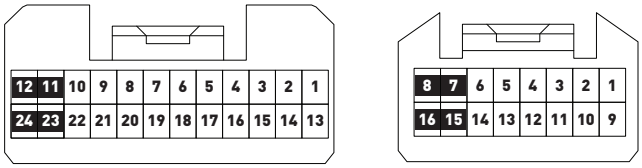

INSTALL GUIDE
TOYOTA YARIS
2007-2011

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

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- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
- For technical assistance call 1-866-427-2999 or e-mail "support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

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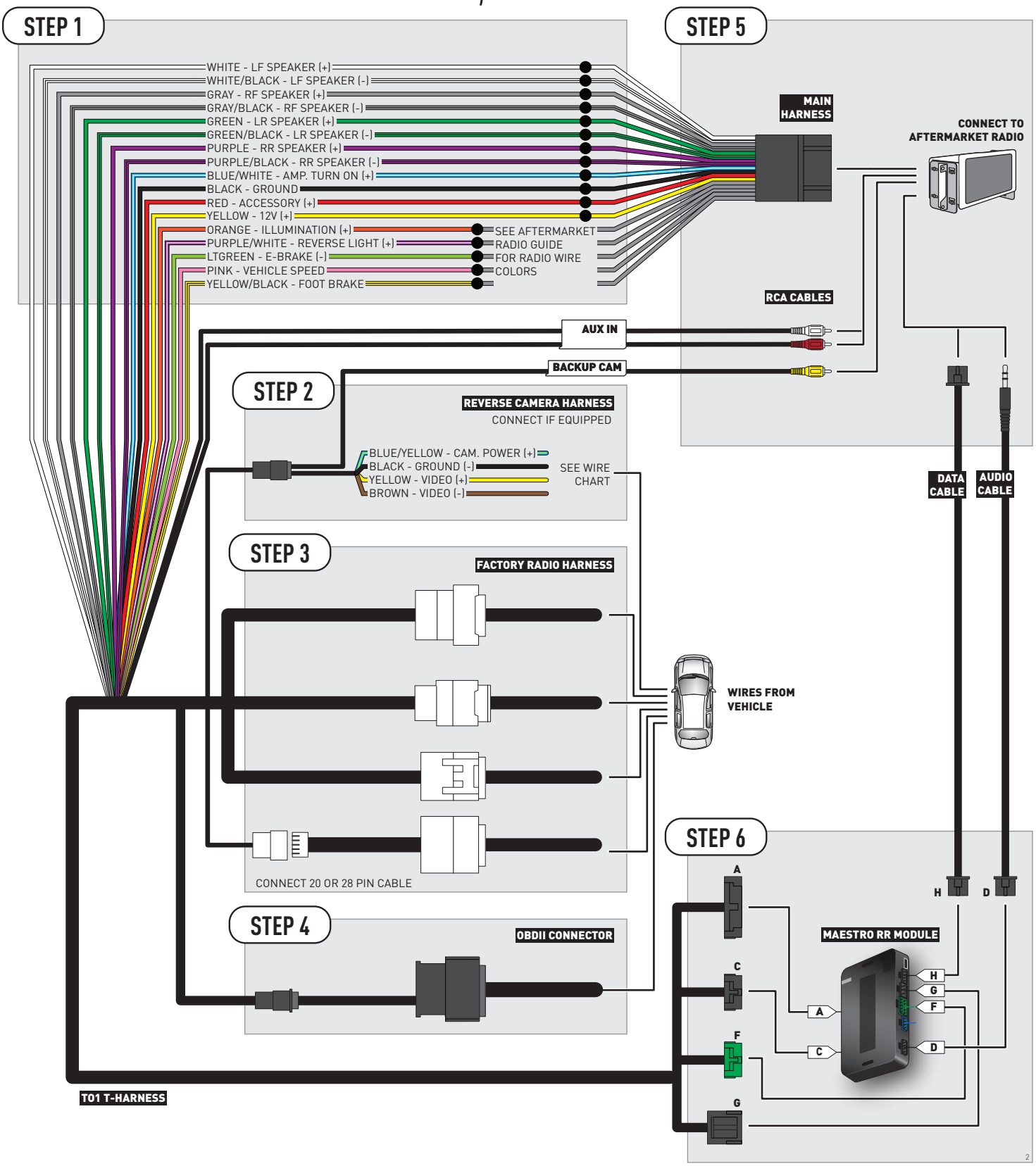
WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

INSTALL GUIDE
TOYOTA YARIS
2012-2018

RETAINS FACTORY AMPLIFIER, STEERING WHEEL CONTROLS, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES

K40 ELECTRONICS

Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood and JVC Radios

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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NEED HELP?

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support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

  NOTE:

  In Pioneer radios: plug Audio cable in auxiliary input of the radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, turn the key to the OFF position then disconnect all connectors from the module. Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds.
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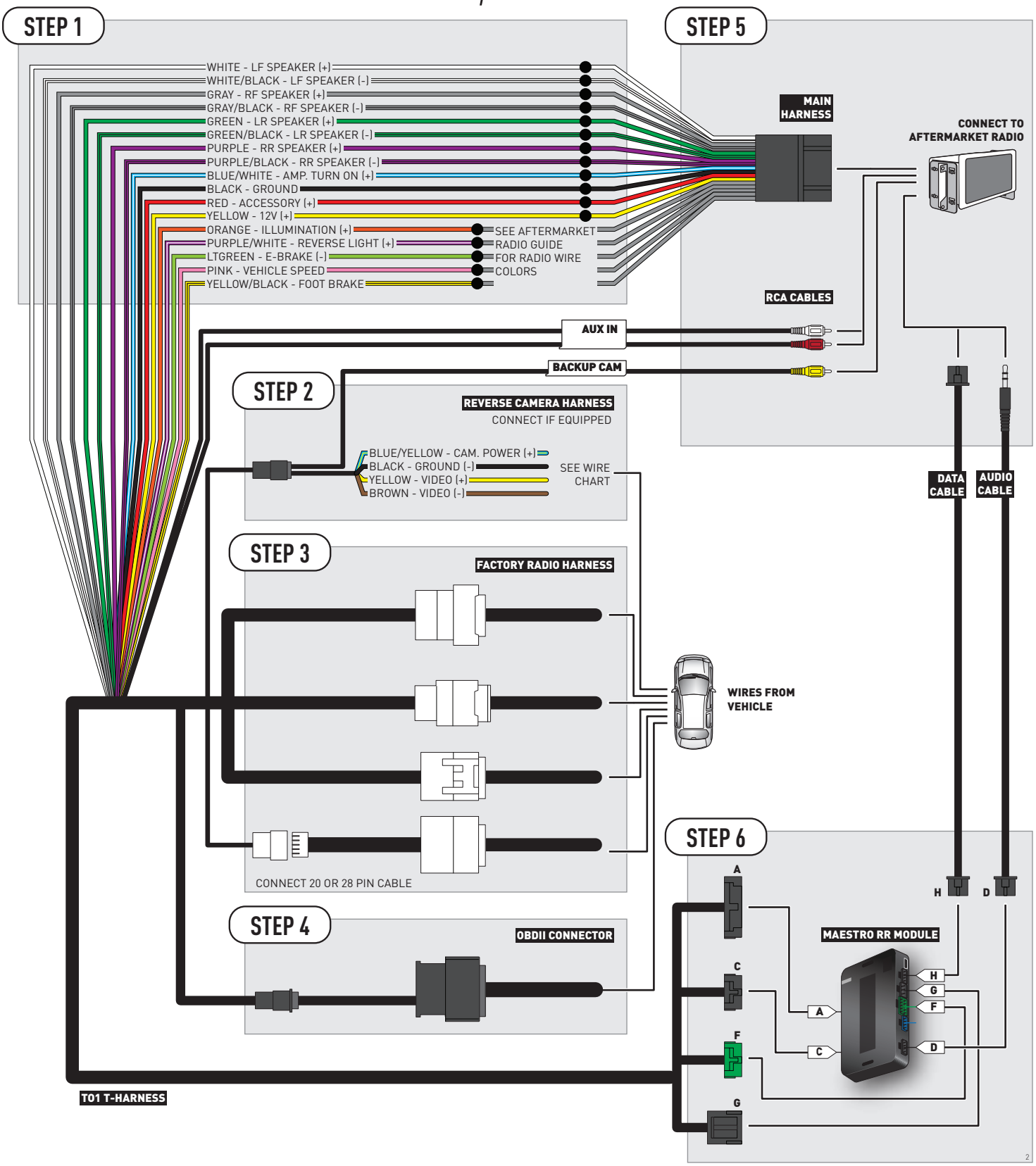
WIRING DIAGRAM *without an Amplifier*



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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

OWNER'S GUIDE

T01 & ALPINE RADIO

RETAINS STEERING WHEEL CONTROLS,
FACTORY SETTINGS AND MORE!

PRODUCTS REQUIRED

- iDatalink Maestro RR Radio Replacement Interface
- T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

This guide is a great addition to both the vehicle owner's guide and the aftermarket radio owner's guide. We recommand having both these documents handy as they cover all the functionality that the Maestro RR retains.

Please note that all the retained functionalities must be initially available in the vehicle.

NEED HELP?

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USING YOUR STEERING WHEEL CONTROLS *(If equipped)*

Your steering wheel buttons can be used to control your aftermarket Alpine radio. You can assign steering wheel buttons to Alpine radio functions. Simply program your Maestro RR module online using the Weblink updater and customize your buttons. Each steering wheel button can control up to two radio features.

SEE YOUR QUICK REFERENCE CARD

A quick reference card showing your steering wheel configuration can be printed on the Maestro website during the flashing process. If you had your product installed professionally, ask your installer to print this card for you during installation.

maestro STEERING WHEEL CONFIGURATION REFERENCE CARD

button	press once	press and hold
Volume Up	Volume +	None
Volume Down	Volume -	None
Track Up / Preset Up	Seek +	Answer Call
Seek Up	Display Navigation Screen	Band (FM,SAT)/Folder +
Track Down / Preset Down	Seek -	Hang Up/Reject Call
Source	Next Source	Previous Source
Mute / Voice	Mute On/Off	uConnect Voice Prompt

maestro STEERING WHEEL CONFIGURATION REFERENCE CARD

VEHICLE TRIM: RADIO:

http://maestro.idatalink.com

USING YOUR FACTORY SYSTEMS

HOW TO GET THERE:

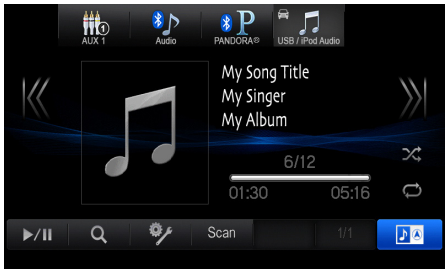
The following section explains how to access and operate the factory systems that have been retained. Your vehicle must already be equipped with these systems.

OEM SATELLITE RADIO

Press on Satellite Radio to listen to the factory satellite radio tuner. This allows you to use the tuner that's already in your vehicle, rather than installing an aftermarket tuner. Your vehicle must be equipped with a tuner for it be retained by the Maestro RR module.

Satellite Radio must be selected during the Maestro RR online programming with the Weblink Updater. A subscription is required to receive satellite radio services. If your tuner needs to be activated, tune to channel 0 to see your radio ESN which is required for an activation.

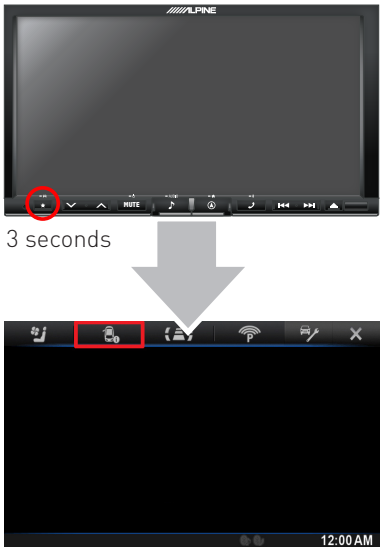
OEM USB



Press on USB/iPod to access the factory USB. Your vehicle must be equipped with a USB port for it to be retained by the Maestro RR module.

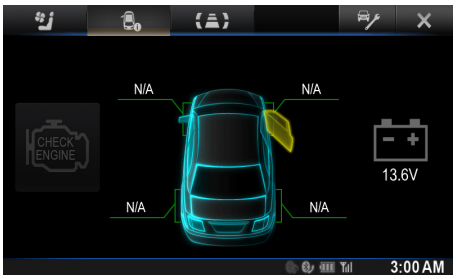
USING MAESTRO FEATURES - VEHICLE INFO

HOW TO GET THERE:



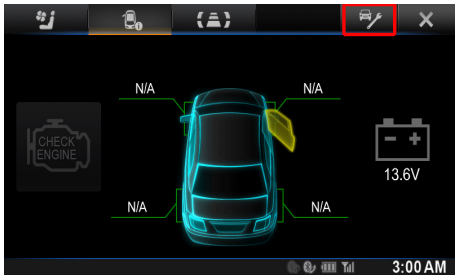
VEHICLE INFORMATION

Access And Display Vehicle Info Screen



To access the maestro menu, press and hold the favorites button. Press on Vehicle Info to display information about the vehicle such as tire pressure, battery voltage and open entry points. If your vehicle is equipped with a compatible tire pressure monitoring system (TPMS), the digital tire pressures will be displayed for each tire. Should your check engine light come on, the CHECK ENGINE button will become active and you will be able to press this button to see the active trouble codes and attempt to reset them.

Access And Change Vehicle Info Settings



Access the Maestro settings to configure the alerts that can be generated. These alerts will cause the Vehicle Info screen to come up when certain conditions occur.

•Set Tire Location

Toyota vehicles do not have a pre-assigned designation for the location of each tire on the vehicle. As an example, the tire pressure for the front left tire may display in the right rear position. To correct this, the Maestro module allows you to set the tire location in the vehicle info settings menu. Select the "Set Tire Location" menu option, then follow the on-screen instructions. For this procedure, you will be required to deflate each tire slightly.

•Check Engine Alert

Enables the Vehicle Info screen to be displayed automatically when the check engine light turns on in the vehicle. The diagnostic codes can be read and cleared.

Warning: If the check engine light turns on after clearing the trouble code, it may indicate serious problems with the engine. Have the vehicle serviced by a qualified technician.

•Door Alert

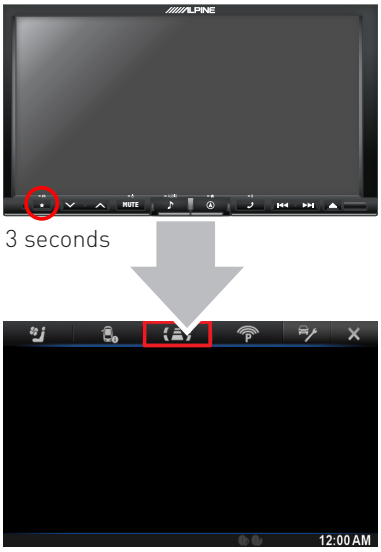
Enables the Vehicle Info screen to be displayed automatically if a door is opened or left open when the vehicle speed exceeds 5 mph or 8 km/h.

•TPMS Alert

Enables the Vehicle Info screen to be displayed automatically when a TPMS fault is detected (only if TPMS is available in the vehicle and supported by Maestro).

USING MAESTRO FEATURES - GAUGES

HOW TO GET THERE:



GAUGES

Access And Display Gauges Screen

To access the Maestro menu, press and hold the Favorites button for 3 seconds. Press on Gauges to view the gauges that are selected. During the installation, the default gauge choices will be displayed. When the Maestro RR module is installed, the vehicle is queried and the gauges that can be supported are enabled.

Access And Change Gauges Settings

•Select Gauges

When choosing a new gauge from the list, the supported gauges will be displayed in white text and the non-supported gauges will be displayed in gray text. If a gauge is displayed in gray text with a number next to it, the gauge is supported and is already assigned to another gauge on the screen. Some gauges have options that can be set. You will see these appear when you select a gauge that has options. In order to use some of the fuel economy gauges, you will need to enter your fuel tank capacity. This information can usually be found in your vehicle owner's guide.

•Center Gauge Warning Text

Allows the choice of displaying text when the center gauge reaches its peak.

•Fuel Economy

For accurate fuel economy information, the fuel tank capacity must be entered in this section of the settings menu.

•Validate PIDs (Parameter Identifiers)

Accesses the factory system to determine which gauges can be supported. This is done automatically when the module powers up. It is only required to be done manually if the module has been re-flashed.

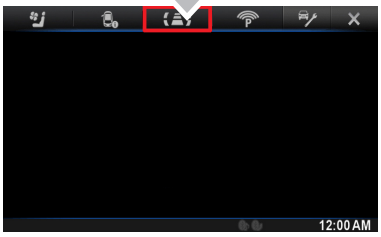
•About Gauges

This screen will display a pop-up with information about the gauges.

USING MAESTRO FEATURES - GAUGES

HOW TO GET THERE:

3 seconds



•OBD2 Communication

Auto Disable (default)
The module will communicate with the vehicle's OBD2 system unless it detects another device. This may be a scan tool or aftermarket programmer connected to the vehicle.

Always Enabled
The module will communicate with the vehicle's OBD2 system even when a scan tool or aftermarket programmer is connected. However, some scan tools and aftermarket programmers will not function when this option is enabled.

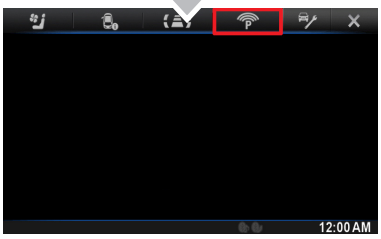
Disabled
The module will not communicate with the vehicle's OBD2 system. This option applies when using a scan tool or aftermarket programmer that does not allow multiple connections at the same time.

Enabled on Demand
The module will only communicate with the vehicle's OBD2 system when the vehicle info or gauges screen is displayed. This is used in vehicles that issue a periodic vehicle health report through a factory system such as Sync or OnStar. However, applying this setting may cause the fuel economy calculations to be inaccurate.

USING MAESTRO FEATURES - PARKING ASSIST

HOW TO GET THERE:

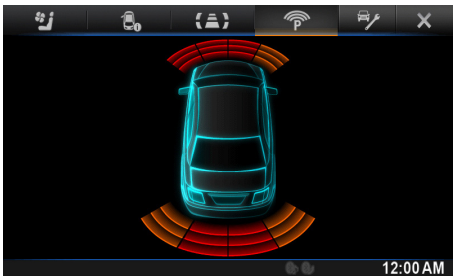
3 seconds



PARKING ASSIST

Access And Display Parking Assist Screen

To access the Maestro menu, press and hold the Favorites button for 3 seconds. Press on Parking Assist to see the visual parking assist screen. This option will only be available if the Maestro detects that your vehicle is equipped a compatible factory parking sensor system.



Access And Change Parking Assist Settings

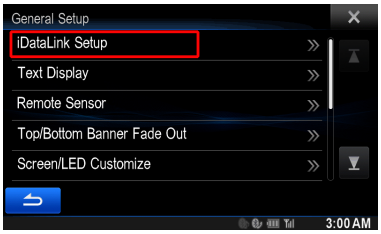
In the Parking Assist screen, press the Settings button to configure this feature.

When parking assist interrupt is set to ON, the Maestro parking assist screen will pop up when the vehicle is in reverse. If the vehicle is also equipped with a backup camera, there is also a reverse interrupt setting for it in the radio. If both are turned on, the camera and parking assist will show up as a split screen.

You can change the units of length from feet to meters

CHANGING OTHER SETTINGS

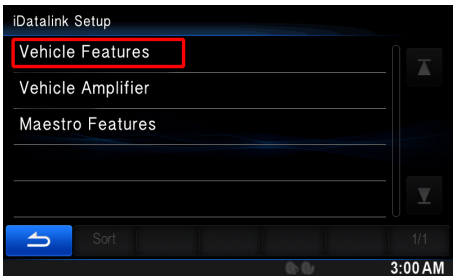
HOW TO GET THERE:



VEHICLE FACTORY SETTINGS

Access And Change Vehicle factory Settings

There are several programmable options that affect the way that the Maestro interface works with your vehicle. These settings enable you to customize the features of your vehicle. Not all settings are described here, as they are vehicle specific.



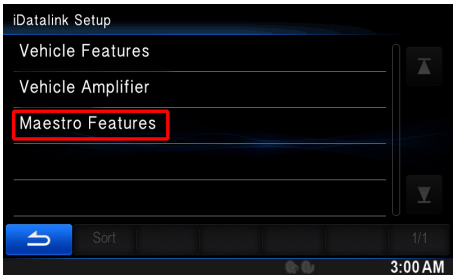
• Vehicle Amplifier

To adjust the settings of your factory amplifier, press on Vehicle Amplifier. This setting will only appear if your Maestro RR module detects a compatible amplifier in your vehicle. This feature must be retained during the Maestro RR online programming with the Weblink Updater.

The Gain setting will change the gain of the factory amplifier. The Amplifier Retention setting is used to tell the Maestro module if you are using (retaining) the factory amplifier or if you have bypassed it.

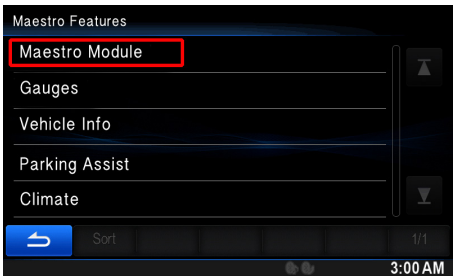
MAESTRO FEATURES SETTINGS

Access And Change Maestro Features



• Module Audio Gain

Used to adjust the audio gain of the Maestro module. All audio that passes from the factory systems into the Maestro will be affected by this setting.



•Module Master Reset

Used to reset the Maestro module.

•Accessory During Crank

If this setting is turned on, the radio will stay powered while the engine is started. If this setting is turned off, the accessory circuit will drop out while the engine cranks, like a normal accessory circuit.

OWNER'S GUIDE

T01 & JVC RADIO

RETAINS STEERING WHEEL CONTROLS, FACTORY SETTINGS AND MORE!

JVC

PRODUCTS REQUIRED

- iDatalink Maestro RR Radio Replacement Interface
- T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

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USING YOUR STEERING WHEEL CONTROLS

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USING YOUR FACTORY SYSTEMS

OEM SATELLITE RADIO 4

OEM USB 4

USING MAESTRO FEATURE

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- Check Engine Alert 5
- Door Alert 6
- TPMS Alert 6

GAUGES 7

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- OBD2 Communication 8

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Access and Change Vehicle Factory Settings 10

- Vehicle Amplifier 10

MAESTRO FEATURES SETTINGS 10

Access and Change Maestro Settings 10

- Module Audio Gain 10
- Module Master Reset 10
- Accessory During Crank 10

USING YOUR STEERING WHEEL CONTROLS *(If equipped)*

Your steering wheel buttons can be used to control your aftermarket JVC radio. You can assign steering wheel buttons to JVC radio functions. Simply program your Maestro RR module online using the Weblink updater and customize your buttons. Each steering wheel button can control up to two radio features.

SEE YOUR QUICK REFERENCE CARD

A quick reference card showing your steering wheel configuration can be printed on the Maestro website during the flashing process. If you had your product installed professionally, ask your installer to print this card for you during installation.

maestro STEERING WHEEL CONFIGURATION REFERENCE CARD

button	press once	press and hold
Volume Up	Volume +	None
Volume Down	Volume -	None
Track Up / Preset Up	Seek +	Answer Call
Seek Up	Display Navigation Screen	Band (FM,SAT)/Folder +
Track Down / Preset Down	Seek -	Hang Up/Reject Call
Source	Next Source	Previous Source
Mute / Voice	Mute On/Off	uConnect Voice Prompt

maestro STEERING WHEEL CONFIGURATION REFERENCE CARD

VEHICLE TRIM: RADIO:

http://maestro.idatalink.com

USING YOUR FACTORY SYSTEMS

HOW TO GET THERE:

The following section explains how to access and operate the factory systems that have been retained. Your vehicle must already be equipped with these systems.

OEM SATELLITE RADIO

Press on Satellite Radio to listen to the factory satellite radio tuner. This allows you to use the tuner that's already in your vehicle, rather than installing an aftermarket tuner. Your vehicle must be equipped with a tuner for it be retained by the Maestro RR module.

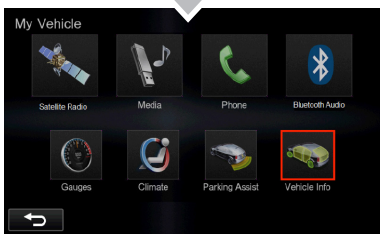
Satellite Radio must be selected during the Maestro RR online programming with the Weblink Updater. A subscription is required to receive satellite radio services. If your tuner needs to be activated, tune to channel 0 to see your radio ESN which is required for an activation.

OEM USB

Press on USB/iPod to access the factory USB. Your vehicle must be equipped with a USB port for it to be retained by the Maestro RR module.

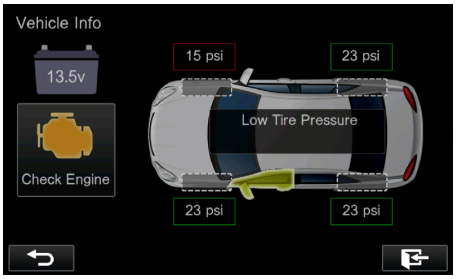
USING MAESTRO FEATURES - VEHICLE INFO

HOW TO GET THERE:



VEHICLE INFO

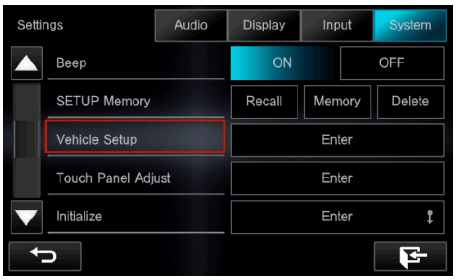
Access And Display Vehicle Info Screen

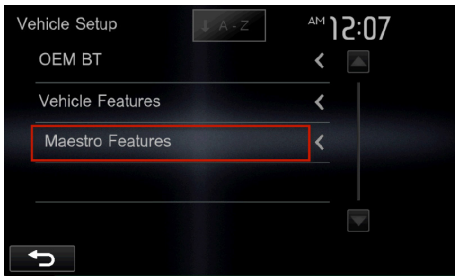


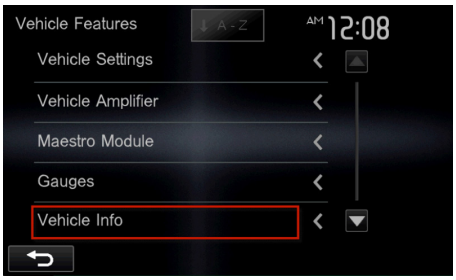
In the My Vehicle submenu, press on Vehicle Info to display information about the vehicle such as tire pressure, battery voltage and open entry points. If your vehicle is equipped with a compatible tire pressure monitoring system (TPMS), the digital tire pressures will be displayed for each tire. Should your check engine light come on, the CHECK ENGINE button will become active and you will be able to press this button to see the active trouble codes and attempt to reset them.

Access And Change Vehicle Info Settings

Access the Maestro settings to configure the alerts that can be generated. These alerts will cause the Vehicle Info screen to come up when certain conditions occur.







•Set Tire Location

Toyota vehicles do not have a pre-assigned designation for the location of each tire on the vehicle. As an example, the tire pressure for the front left tire may display in the right rear position. To correct this, the Maestro module allows you to set the tire location in the vehicle info settings menu. Select the "Set Tire Location" menu option, then follow the on-screen instructions. For this procedure, you will be required to defl ate each tire slightly.

NOTES: The tire pressures rely on proper programming by the technician when tires are changed or rotated. If your tires have been rotated but not reprogrammed, the tire locations on this screen may be incorrect.

•Check Engine Alert

Enables the Vehicle Info screen to be displayed automatically when the check engine light turns on in the vehicle. The diagnostic codes can be read and cleared.

Warning: If the check engine light turns on after clearing the trouble code, it may indicate serious problems with the engine. Have the vehicle serviced by a qualified technician.

USING MAESTRO FEATURES - VEHICLE INFO

- Door Alert

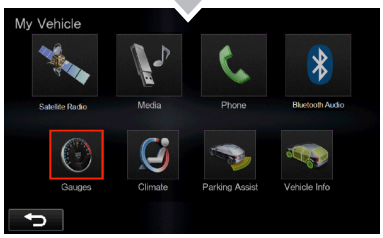
  Enables the Vehicle Info screen to be displayed automatically if a door is opened or left open when the vehicle speed exceeds 5 mph or 8 km/h.

- TPMS Alert

  Enables the Vehicle Info screen to be displayed automatically when a TPMS fault is detected (only if TPMS is available in the vehicle and supported by Maestro).

USING MAESTRO FEATURES - GAUGES

HOW TO GET THERE:



GAUGES

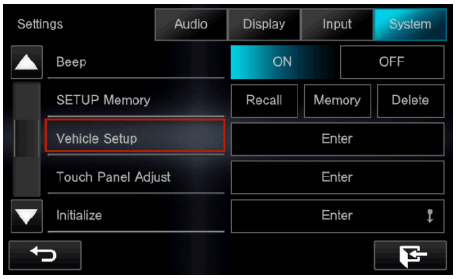
Access And Display Gauges Screen

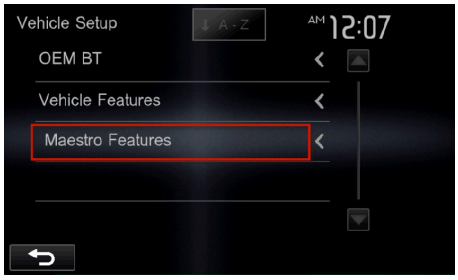
In the Vehicle Car submenu, press on Gauges to view the gauges that are selected. During the installation, the default gauge choices will be displayed. When the Maestro RR module is installed, the vehicle is queried and the gauges that can be supported are enabled.

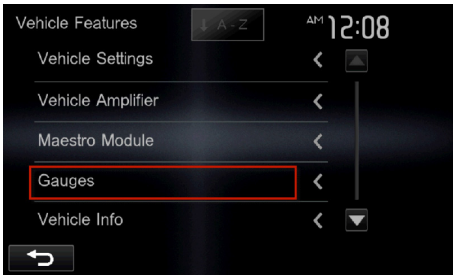
Access And Change Gauges Settings

•Select Gauges

When choosing a new gauge from the list, the supported gauges will be displayed in white text and the non-supported gauges will be displayed in gray text. If a gauge is displayed in gray text with a number next to it, the gauge is supported and is already assigned to another gauge on the screen. Some gauges have options that can be set. You will see these appear when you select a gauge that has options. In order to use some of the fuel economy gauges, you will need to enter your fuel tank capacity. This information can usually be found in your vehicle owner's guide.







•Center Gauge Warning Text

Allows the choice of displaying text when the center gauge reaches its peak.

•Fuel Economy

For accurate fuel economy information, the fuel tank capacity must be entered in this section of the settings menu.

USING MAESTRO FEATURES - GAUGES

•Validate PIDs (Parameter Identifiers)

Accesses the factory system to determine which gauges can be supported. This is done automatically when the module powers up. It is only required to be done manually if the module has been re-flashed.

•About Gauges

This screen will display a pop-up with information about the gauges.

•OBD2 Communication

Auto Disable (default)
The module will communicate with the vehicle's OBD2 system unless it detects another device. This may be a scan tool or aftermarket programmer connected to the vehicle.

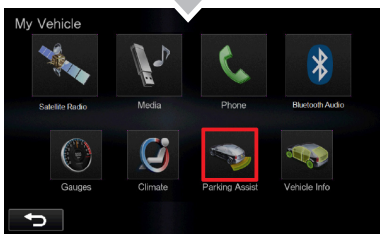
Always Enabled
The module will communicate with the vehicle's OBD2 system even when a scan tool or aftermarket programmer is connected. However, some scan tools and aftermarket programmers will not function when this option is enabled.

Disabled
The module will not communicate with the vehicle's OBD2 system. This option applies when using a scan tool or aftermarket programmer that does not allow multiple connections at the same time.

Enabled on Demand
The module will only communicate with the vehicle's OBD2 system when the vehicle info or gauges screen is displayed. This is used in vehicles that issue a periodic vehicle health report through a factory system such as Sync or OnStar. However, applying this setting may cause the fuel economy calculations to be inaccurate.

USING MAESTRO FEATURES - PARKING ASSIST

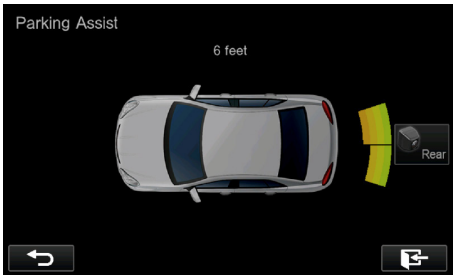
HOW TO GET THERE:



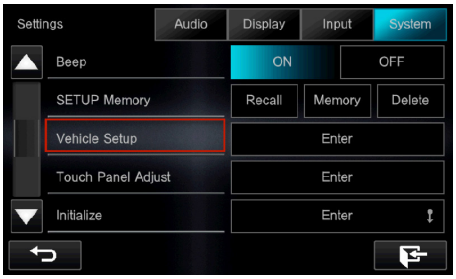
PARKING ASSIST

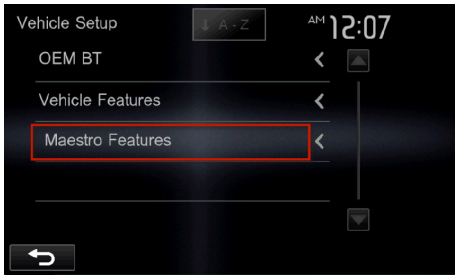
Access And Display Vehicle Info Screen

In the My Vehicle submenu, press on Parking Assist to see the visual parking assist screen. This option will only be available if the Maestro detects that your vehicle is equipped a compatible factory parking sensor system.



Access And Change Parking Assist Settings



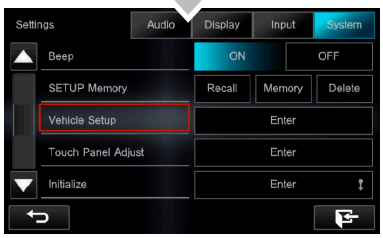


When parking assist interrupt is set to ON, the Maestro parking assist screen will pop up when the vehicle is in reverse. If the vehicle is also equipped with a backup camera, there is also a reverse interrupt setting for it in the radio. Only one feature's reverse interrupt should be set to ON, or there will be a conflict in the radio.

You can change the units of length from feet to meters.

CHANGING OTHER SETTINGS

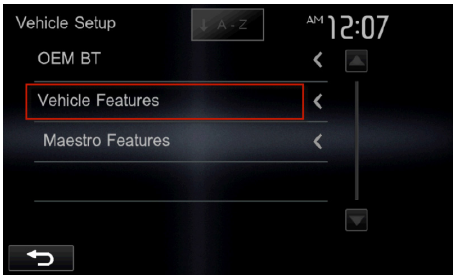
HOW TO GET THERE:



VEHICLE FACTORY SETTINGS

Access And Change Vehicle factory Settings

There are several programmable options that affect the way that the Maestro interface works with your vehicle. These settings enable you to customize the features of your vehicle. Not all settings are described here, as they are vehicle specific.



• Vehicle Amplifier

To adjust the settings of your factory amplifier, press on Vehicle Amplifier. This setting will only appear if your Maestro RR module detects a compatible amplifier in your vehicle. This feature must be retained during the Maestro RR online programming with the Weblink Updater.

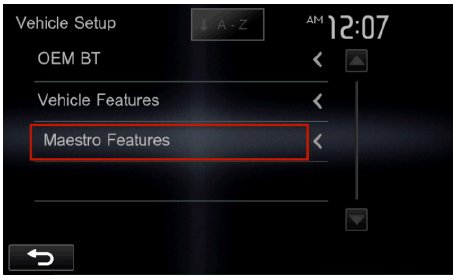
The Gain setting will change the gain of the factory amplifier. The Amplifier Retention setting is used to tell the Maestro module if you are using (retaining) the factory amplifier or if you have bypassed it.

MAESTRO FEATURES SETTINGS

Access And Change Maestro Features

• Module Audio Gain

Used to adjust the audio gain of the Maestro module. All audio that passes from the factory systems into the Maestro will be affected by this setting.

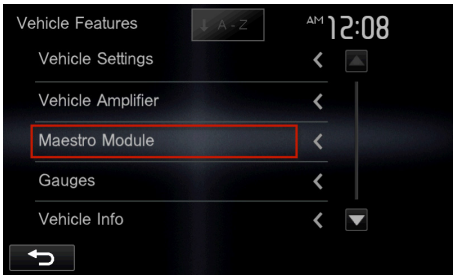


•Module Master Reset

Used to reset the Maestro module.

•Accessory During Crank

If this setting is turned on, the radio will stay powered while the engine is started. If this setting is turned off, the accessory circuit will drop out while the engine cranks, like a normal accessory circuit.



OWNER'S GUIDE

TO1 & KENWOOD RADIO

RETAINS STEERING WHEEL CONTROLS, FACTORY SETTINGS AND MORE!

KENWOOD

PRODUCTS REQUIRED

- iDatalink Maestro RR Radio Replacement Interface
- TO1 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

This guide is a great addition to both the vehicle owner's guide and the aftermarket radio owner's guide. We recommand having both these documents handy as they cover all the functionality that the Maestro RR retains.

Please note that all the retained functionalities must be initially available in the vehicle.

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

USING YOUR STEERING WHEEL CONTROLS

SEE YOUR QUICK REFERENCE CARD 3

USING YOUR FACTORY SYSTEMS

OEM SATELLITE RADIO 4

OEM USB 4

USING MAESTRO FEATURE

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Access and Change Vehicle Info Settings 5

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- Check Engine Alert 5
- Door Alert 6
- TPMS Alert 6

GAUGES 7

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Access and Change Gauges Settings 7

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- Center Gauge Warning Text 7
- Fuel Economy 8
- Validate PIDs 8
- About Gauges 8
- OBD2 Communication 8

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Access and Display Parking Assist Screen 9

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Access and Change Vehicle Factory Settings 10

- Vehicle Amplifier 10

MAESTRO FEATURES SETTINGS 10

Access and Change Maestro Settings 10

- Module Audio Gain 10
- Module Master Reset 10
- Accessory During Crank 10

USING YOUR STEERING WHEEL CONTROLS *(If equipped)*

Your steering wheel buttons can be used to control your aftermarket Kenwood radio. You can assign steering wheel buttons to Kenwood radio functions. Simply program your Maestro RR module online using the Weblink updater and customize your buttons. Each steering wheel button can control up to two radio features.

SEE YOUR QUICK REFERENCE CARD

A quick reference card showing your steering wheel configuration can be printed on the Maestro website during the flashing process. If you had your product installed professionally, ask your installer to print this card for you during installation.

maestro STEERING WHEEL CONFIGURATION REFERENCE CARD

button	press once	press and hold
Volume Up	Volume +	None
Volume Down	Volume -	None
Track Up / Preset Up	Seek +	Answer Call
Seek Up	Display Navigation Screen	Band (FM,SAT)/Folder +
Track Down / Preset Down	Seek -	Hang Up/Reject Call
Source	Next Source	Previous Source
Mute / Voice	Mute On/Off	uConnect Voice Prompt

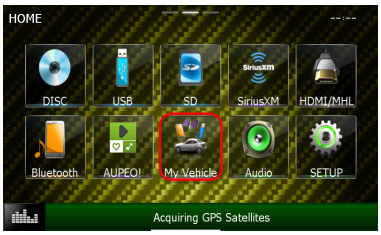
maestro STEERING WHEEL CONFIGURATION REFERENCE CARD

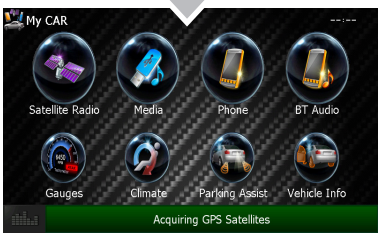
VEHICLE TRIM: RADIO:

http://maestro.idatalink.com

USING YOUR FACTORY SYSTEMS

HOW TO GET THERE:





The following section explains how to access and operate the factory systems that have been retained. Your vehicle must already be equipped with these systems.

OEM SATELLITE RADIO

Press on Satellite Radio to listen to the factory satellite radio tuner. This allows you to use the tuner that's already in your vehicle, rather than installing an aftermarket tuner. Your vehicle must be equipped with a tuner for it be retained by the Maestro RR module.

Satellite Radio must be selected during the Maestro RR online programming with the Weblink Updater. A subscription is required to receive satellite radio services. If your tuner needs to be activated, tune to channel 0 to see your radio ESN which is required for an activation.

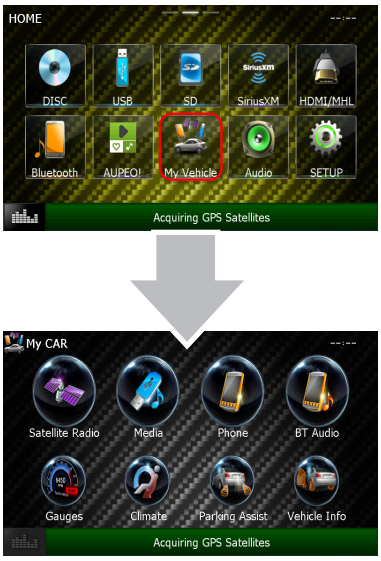
OEM USB

Press on USB/iPod to access the factory USB. Your vehicle must be equipped with a USB port for it to be retained by the Maestro RR module.

USING MAESTRO FEATURES - VEHICLE INFO

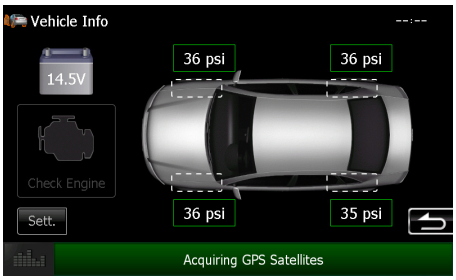
Maestro features can be accessed in the My Car submenu. If an icon is not active (gray color) then it is not available in your vehicle or it was disabled when the Maestro module was programmed using Weblink. The options described here may not be available in your vehicle.

HOW TO GET THERE:



VEHICLE INFORMATION

Access And Display Vehicle Info Screen



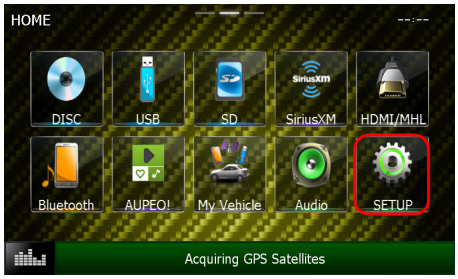
In the My Car submenu, press on Vehicle Info to display information about the vehicle such as tire pressure, battery voltage and open entry points. If your vehicle is equipped with a compatible tire pressure monitoring system (TPMS), the digital tire pressures will be displayed for each tire. Should your check engine light come on, the CHECK ENGINE button will become active and you will be able to press this button to see the active trouble codes and attempt to reset them.

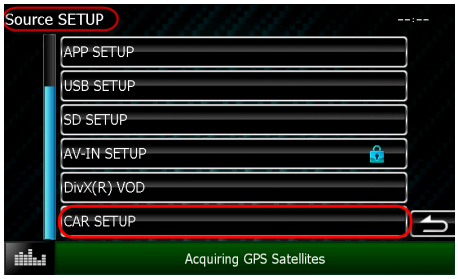
NOTES:

The system will attempt to reset engine trouble codes when you press the Reset button However, this will not correct a persistent problem. If the check engine light comes back on after a reset, the vehicle should be serviced by a qualified technician.

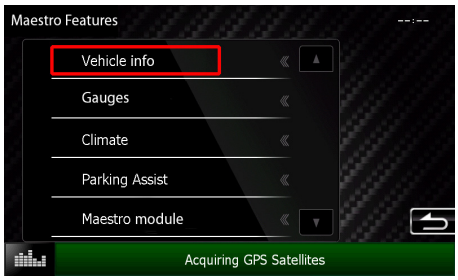
Access And Change Vehicle Info Settings

Access the Maestro settings to configure the alerts that can be generated. These alerts will cause the Vehicle Info screen to come up when certain conditions occur.





•Set Tire Location



Toyota vehicles do not have a pre-assigned designation for the location of each tire on the vehicle. As an example, the tire pressure for the front left tire may display in the right rear position. To correct this, the Maestro module allows you to set the tire location in the vehicle info settings menu. Select the "Set Tire Location" menu option, then follow the on-screen instructions. For this procedure, you will be required to deflate each tire slightly.

•Check Engine Alert

Enables the Vehicle Info screen to be displayed automatically when the check engine light turns on in the vehicle. The diagnostic codes can be read and cleared.

Warning: If the check engine light turns on after clearing the trouble code, it may indicate serious problems with the engine. Have the vehicle serviced by a qualified technician.

USING MAESTRO FEATURES - VEHICLE INFO

Maestro features can be accessed in the My Car submenu. If an icon is not active (gray color) then it is not available in your vehicle or it was disabled when the Maestro module was programmed using Weblink. The options described here may not be available in your vehicle.

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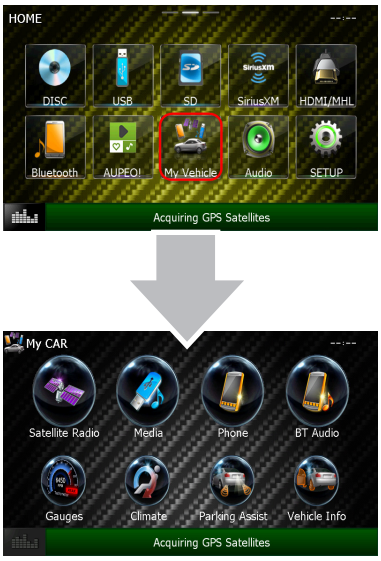

- Door Alert

  Enables the Vehicle Info screen to be displayed automatically if a door is opened or left open when the vehicle speed exceeds 5 mph or 8 km/h.

- TPMS Alert

  Enables the Vehicle Info screen to be displayed automatically when a TPMS fault is detected (only if TPMS is available in the vehicle and supported by Maestro).

USING MAESTRO FEATURES - GAUGES

Maestro features can be accessed in the My Car submenu. If an icon is not active (gray color) then it is not available in your vehicle or it was disabled when the Maestro module was programmed using Weblink. The options described here may not be available in your vehicle.

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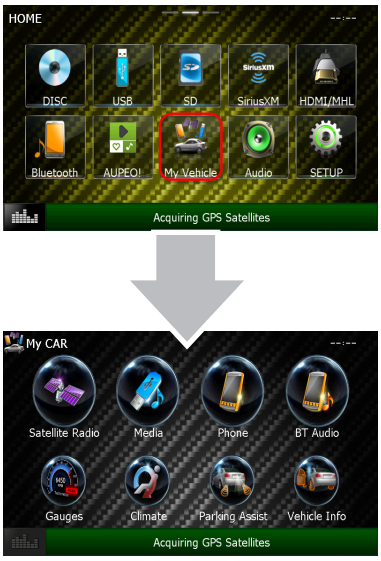
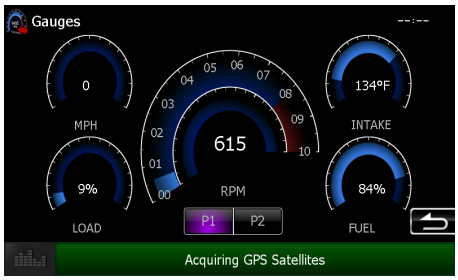
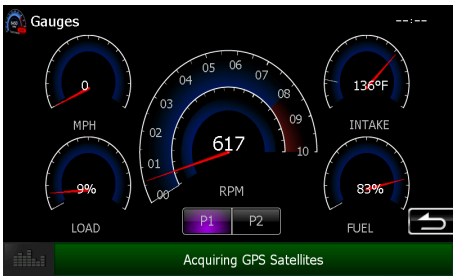


GAUGES

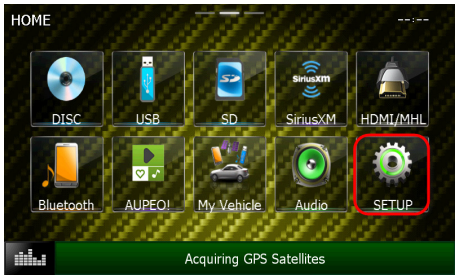
Access And Display Gauges Screen

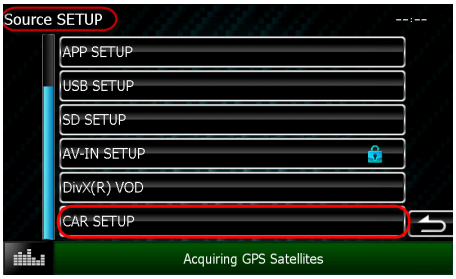
In the My Car submenu, press on Gauges to view the gauges that are selected. The display style of the gauge can be changed by tapping the face of each gauge. You can also press and hold each gauge to configure it. During the installation, the default gauge choices will be displayed. When the Maestro RR module is installed, the vehicle is queried and the gauges that can be supported are enabled.

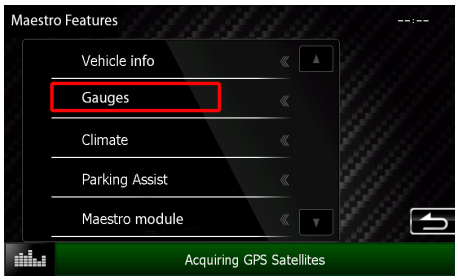


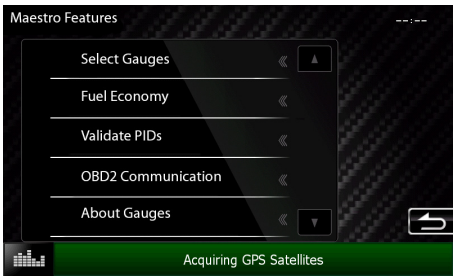


Access And Change Gauges Settings









•Select Gauges

When choosing a new gauge from the list, the supported gauges will be displayed in white text and the non-supported gauges will be displayed in gray text. If a gauge is displayed in gray text with a number next to it, the gauge is supported and is already assigned to another gauge on the screen. Some gauges have options that can be set. You will see these appear when you select a gauge that has options. In order to use some of the fuel economy gauges, you will need to enter your fuel tank capacity. This information can usually be found in your vehicle owner's guide.

•Center Gauge Warning Text

Allows the choice of displaying text when the center gauge reaches its peak.

USING MAESTRO FEATURES - GAUGES

Maestro features can be accessed in the My Car submenu. If an icon is not active (gray color) then it is not available in your vehicle or it was disabled when the Maestro module was programmed using Weblink. The options described here may not be available in your vehicle.

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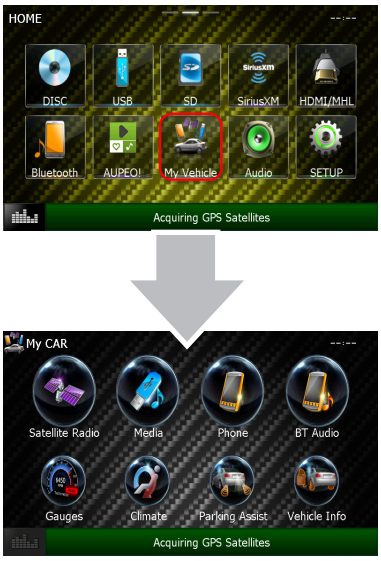


•Fuel Economy

For accurate fuel economy information, the fuel tank capacity must be entered in this section of the settings menu.

•Validate PIDs (Parameter Identifiers)

Accesses the factory system to determine which gauges can be supported. This is done automatically when the module powers up. It is only required to be done manually if the module has been re-flashed.

•About Gauges

This screen will display a pop-up with information about the gauges.

•OBD2 Communication

Auto Disable (default)
The module will communicate with the vehicle's OBD2 system unless it detects another device. This may be a scan tool or aftermarket programmer connected to the vehicle.

Always Enabled
The module will communicate with the vehicle's OBD2 system even when a scan tool or aftermarket programmer is connected. However, some scan tools and aftermarket programmers will not function when this option is enabled.

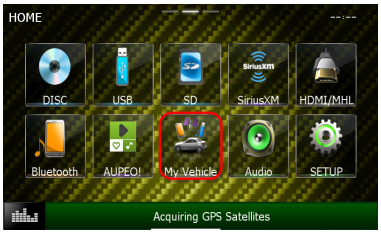
Disabled
The module will not communicate with the vehicle's OBD2 system. This option applies when using a scan tool or aftermarket programmer that does not allow multiple connections at the same time.

Enabled on Demand
The module will only communicate with the vehicle's OBD2 system when the vehicle info or gauges screen is displayed. This is used in vehicles that issue a periodic vehicle health report through a factory system such as Sync or OnStar. However, applying this setting may cause the fuel economy calculations to be inaccurate.

USING MAESTRO FEATURES - PARKING ASSIST

Maestro features can be accessed in the My Car submenu. If an icon is not active (gray color) then it is not available in your vehicle or it was disabled when the Maestro module was programmed using Weblink. The options described here may not be available in your vehicle.

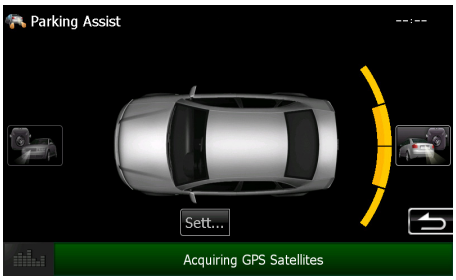
HOW TO GET THERE:



PARKING ASSIST

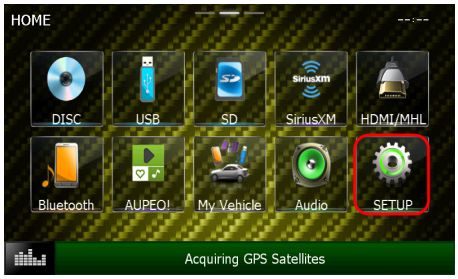
Access And Display Parking Assist Screen

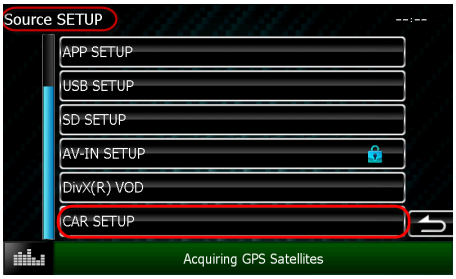
In the My Car submenu, press on Parking Assist to see the visual parking assist screen. This option will only be available if the Maestro detects that your vehicle is equipped a compatible factory parking sensor system.



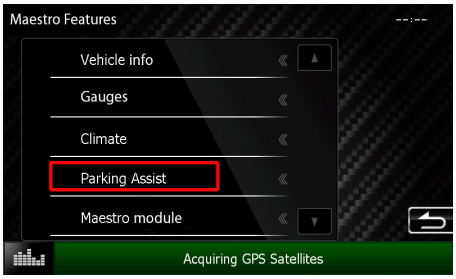
Access And Change Parking Assist Settings

In the Parking Assist screen, press the Settings button to configure this feature (or follow the steps shown below).





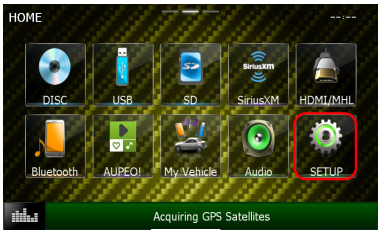
When parking assist interrupt is set to ON, the Maestro parking assist screen will pop up when the vehicle is in reverse. If the vehicle is also equipped with a backup camera, there is also a reverse interrupt setting for it in the radio. Only one feature's reverse interrupt should be set to ON, or there will be a conflict in the radio.

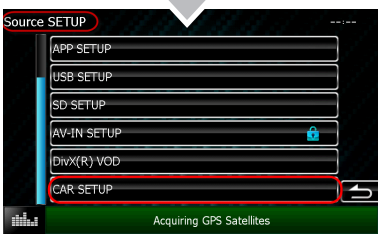


You can change the units of length from feet to meters

CHANGING OTHER SETTINGS

HOW TO GET THERE:





VEHICLE FACTORY SETTINGS

Access And Change Vehicle factory Settings

There are several programmable options that affect the way that the Maestro interface works with your vehicle. These settings enable you to customize the features of your vehicle. Not all settings are described here, as they are vehicle specific.

• Vehicle Amplifier

To adjust the settings of your factory amplifier, press on Vehicle Amplifier. This setting will only appear if your Maestro RR module detects a compatible amplifier in your vehicle. This feature must be retained during the Maestro RR online programming with the Weblink Updater.

The Gain setting will change the gain of the factory amplifier. The Amplifier Retention setting is used to tell the Maestro module if you are using (retaining) the factory amplifier or if you have bypassed it.

MAESTRO FEATURES SETTINGS

Access And Change Maestro Features

• Module Audio Gain

Used to adjust the audio gain of the Maestro module. All audio that passes from the factory systems into the Maestro will be affected by this setting.

•Module Master Reset

Used to reset the Maestro module.

•Accessory During Crank

If this setting is turned on, the radio will stay powered while the engine is started. If this setting is turned off, the accessory circuit will drop out while the engine cranks, like a normal accessory circuit.

OWNER'S GUIDE

T01 & PIONEER RADIO

RETAINS STEERING WHEEL CONTROLS,
FACTORY SETTINGS AND MORE!

Pioneer

PRODUCTS REQUIRED

- iDatalink Maestro RR Radio Replacement Interface
- T01 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

This guide is a great addition to both the vehicle owner's guide and the aftermarket radio owner's guide. We recommand having both these documents handy as they cover all the functionality that the Maestro RR retains.

Please note that all the retained functionalities must be initially available in the vehicle.

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum

USING YOUR STEERING WHEEL CONTROLS

SEE YOUR QUICK REFERENCE CARD 3

USING YOUR FACTORY SYSTEMS

OEM SATELLITE RADIO 4

OEM USB 4

USING MAESTRO FEATURE

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Access and Display Vehicle Info Screen 5

Access and Change Vehicle Info Settings 5

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- Check Engine Alert 5
- Door Alert 5
- TPMS Alert 5

GAUGES 6

Access and Display Gauges Screen 6

Access and Change Gauges Settings 6

- Select Gauges 6
- Center Gauge Warning Text 6
- Fuel Economy 6
- Validate PIDs 6
- About Gauges 6
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Access and Change Parking Assist Settings 8

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VEHICLE FACTORY SETTINGS 9

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- Vehicle Amplifier 9

MAESTRO FEATURES SETTINGS 9

Access and Change Maestro Settings 9

- Module Audio Gain 9
- Module Master Reset 9
- Accessory During Crank 9

USING YOUR STEERING WHEEL CONTROLS *(If equipped)*

Your steering wheel buttons can be used to control your aftermarket Pioneer radio. You can assign steering wheel buttons to Pioneer radio functions. Simply program your Maestro RR module online using the Weblink updater and customize your buttons. Each steering wheel button can control up to two radio features.

SEE YOUR QUICK REFERENCE CARD

A quick reference card showing your steering wheel configuration can be printed on the Maestro website during the flashing process. If you had your product installed professionally, ask your installer to print this card for you during installation.

maestro STEERING WHEEL CONFIGURATION REFERENCE CARD

button	press once	press and hold
Volume Up	Volume +	None
Volume Down	Volume -	None
Track Up / Preset Up	Seek +	Answer Call
Seek Up	Display Navigation Screen	Band (FM,SAT)/Folder +
Track Down / Preset Down	Seek -	Hang Up/Reject Call
Source	Next Source	Previous Source
Mute / Voice	Mute On/Off	uConnect Voice Prompt

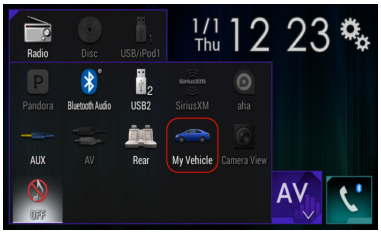
maestro STEERING WHEEL CONFIGURATION REFERENCE CARD

VEHICLE TRIM: RADIO:

http://maestro.idatalink.com

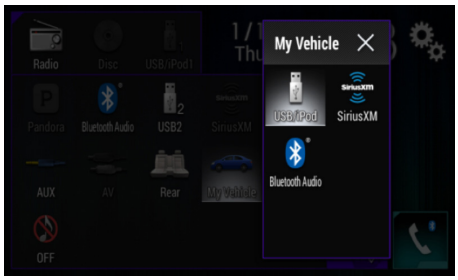
USING FACTORY SETTINGS

HOW TO GET THERE:



The following section explains how to access and operate the factory systems that have been retained. Your vehicle must already be equipped with these systems.

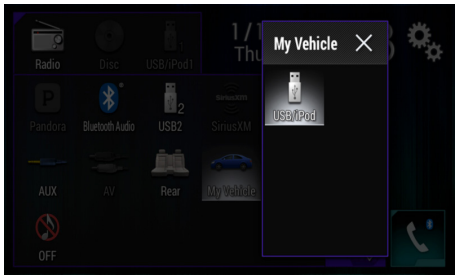
OEM SATELLITE RADIO



Press on Satellite Radio to listen to the factory satellite radio tuner. This allows you to use the tuner that's already in your vehicle, rather than installing an aftermarket tuner. Your vehicle must be equipped with a tuner for it be retained by the Maestro RR module.

Satellite Radio must be selected during the Maestro RR online programming with the Weblink Updater. A subscription is required to receive satellite radio services. If your tuner needs to be activated, tune to channel 0 to see your radio ESN which is required for an activation.

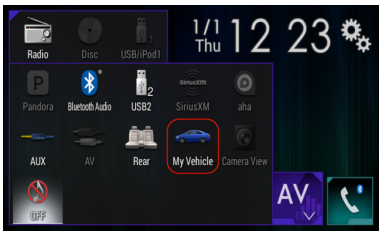
OEM USB



Press on USB/iPod to access the factory USB. Your vehicle must be equipped with a USB port for it to be retained by the Maestro RR module.

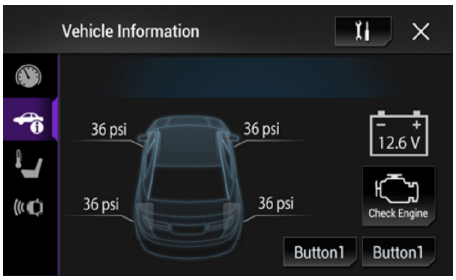
USING MAESTRO FEATURES - VEHICLE INFO

HOW TO GET THERE:



VEHICLE INFORMATION

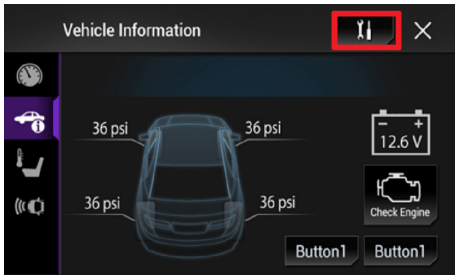
Access And Display Vehicle Info Screen



To access Maestro features, enter the My Vehicle menu. Press on the Vehicle Info icon to display information about the vehicle such as tire pressure, battery voltage and open entry points. If your vehicle is equipped with a compatible tire pressure monitoring system (TPMS), the digital tire pressures will be displayed for each tire. Should your check engine light come on, the CHECK ENGINE button will become active and you will be able to press this button to see the active trouble codes and attempt to reset them.

Access And Change Vehicle Info Settings

Access the Maestro settings to configure the alerts that can be generated. These alerts will cause the Vehicle Info screen to come up when certain conditions occur.



•Set Tire Location

Toyota vehicles do not have a pre-assigned designation for the location of each tire on the vehicle. As an example, the tire pressure for the front left tire may display in the right rear position. To correct this, the Maestro module allows you to set the tire location in the vehicle info settings menu. Select the "Set Tire Location" menu option, then follow the on-screen instructions. For this procedure, you will be required to deflate each tire slightly.

Note: The tire pressures rely on proper programming by the technician when tires are changed or rotated. If your tires have been rotated but not reprogrammed, the tire locations on this screen may be incorrect.

•Check Engine Alert

Enables the Vehicle Info screen to be displayed automatically when the check engine light turns on in the vehicle. The diagnostic codes can be read and cleared.

Warning: If the check engine light turns on after clearing the trouble code, it may indicate serious problems with the engine. Have the vehicle serviced by a qualified technician.

•Door Alert

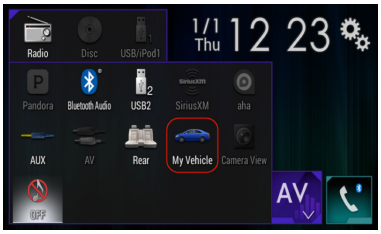
Enables the Vehicle Info screen to be displayed automatically if a door is opened or left open when the vehicle speed exceeds 5 mph or 8 km/h.

•TPMS Alert

Enables the Vehicle Info screen to be displayed automatically when a TPMS fault is detected (only if TPMS is available in the vehicle and supported by Maestro).

USING MAESTRO FEATURES - GAUGES

HOW TO GET THERE:



GAUGES

Access And Display Gauges Screen

In the My Vehicle menu, press on Gauges icon to view the gauges that are selected. The display style of the gauge can be changed by tapping the face of each gauge. You can also press and hold each gauge to configure it. During the installation, the default gauge choices will be displayed. When the Maestro RR module is installed, the vehicle is queried and the gauges that can be supported are enabled.

Access And Change Gauges Settings

•Select Gauges

When choosing a new gauge from the list, the supported gauges will be displayed in white text and the non-supported gauges will be displayed in gray text. If a gauge is displayed in gray text with a number next to it, the gauge is supported and is already assigned to another gauge on the screen. Some gauges have options that can be set. You will see these appear when you select a gauge that has options. In order to use some of the fuel economy gauges, you will need to enter your fuel tank capacity. This information can usually be found in your vehicle owner's guide.

•Center Gauge Warning Text

Allows the choice of displaying text when the center gauge reaches its peak.

•Fuel Economy

For accurate fuel economy information, the fuel tank capacity must be entered in this section of the settings menu.

•Validate PIDs (Parameter Identifiers)

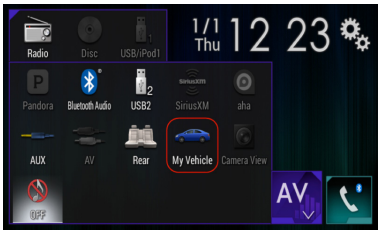
Accesses the factory system to determine which gauges can be supported. This is done automatically when the module powers up. It is only required to be done manually if the module has been re-flashed.

•About Gauges

This screen will display a pop-up with information about the gauges.

USING MAESTRO FEATURES - GAUGES

HOW TO GET THERE:



•OBD2 Communication

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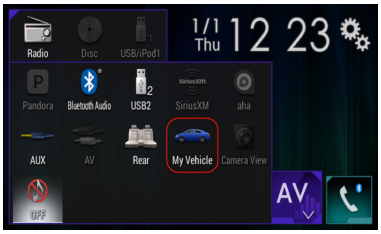
USING MAESTRO FEATURES - PARKING ASSIST

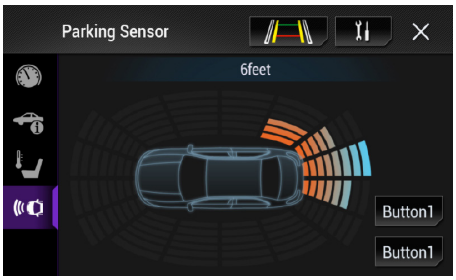
HOW TO GET THERE:



PARKING ASSIST

Access And Display Parking Assist Screen

In the My Vehicle menu, press on Parking Assist to see the visual parking assist screen. This option will only be available if the Maestro detects that your vehicle is equipped a compatible factory parking sensor system.

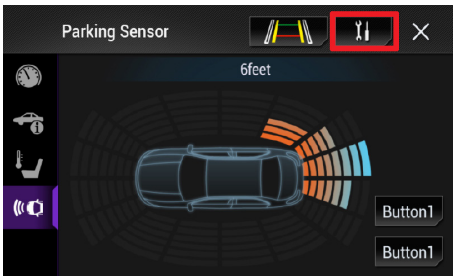


Access And Change Parking Assist Settings

In the Parking Assist screen, press the Settings button to configure this feature.

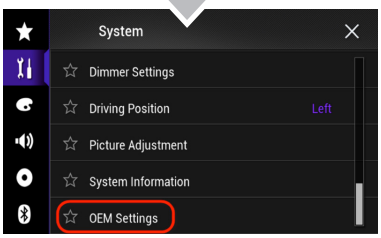
When parking assist interrupt is set to ON, the Maestro parking assist screen will pop up when the vehicle is in reverse. If the vehicle is also equipped with a backup camera, there is also a reverse interrupt setting for it in the radio.

You can change the units of length from feet to meters



CHANGING OTHER SETTINGS

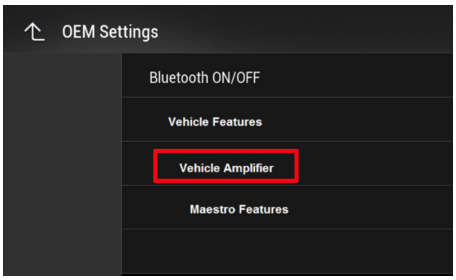
HOW TO GET THERE:



VEHICLE FACTORY SETTINGS

Access And Change Vehicle factory Settings

There are several programmable options that affect the way that the Maestro interface works with your vehicle. These settings enable you to customize the features of your vehicle. Not all settings are described here, as they are vehicle specific.



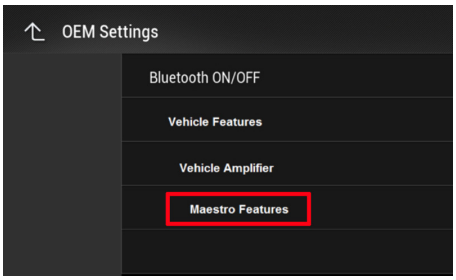
• Vehicle Amplifier

To adjust the settings of your factory amplifier, press on Vehicle Amplifier. This setting will only appear if your Maestro RR module detects a compatible amplifier in your vehicle. This feature must be retained during the Maestro RR online programming with the Weblink Updater.

The Gain setting will change the gain of the factory amplifier. The Amplifier Retention setting is used to tell the Maestro module if you are using (retaining) the factory amplifier or if you have bypassed it.

MAESTRO FEATURES SETTINGS

Access And Change Maestro Features



• Module Audio Gain

Used to adjust the audio gain of the Maestro module. All audio that passes from the factory systems into the Maestro will be affected by this setting.

•Module Master Reset

Used to reset the Maestro module.

•Accessory During Crank

If this setting is turned on, the radio will stay powered while the engine is started. If this setting is turned off, the accessory circuit will drop out while the engine cranks, like a normal accessory circuit.