



INSTALLATION INSTRUCTIONS FOR PART CHT0-013

CHT0-013

Chrysler vehicles 2004-up

APPLICATIONS

See inside front cover

KIT FEATURES

- Provides accessory (12-volt 10 amp)
- Retains R.A.P. (retained accessory power)
- Used in amplified, non-amplified systems, or digital amplified systems
- Provides NAV outputs (parking brake, reverse, and V.S.S.)
- ASWC-1 harness included (ASWC-1 sold separately)
- Adjustable gain control for overall volume (on amplified systems)
- Retains blind spot detection system (if equipped)
- High level speaker input
- Micro "B" USB updatable
- Retains balance and fade

INTERFACE COMPONENTS

- CHT0-013 Interface
- 16-pin harness with stripped leads
- 10-pin harness to 22-pin Chrysler harness with stripped leads (A)
- 10-pin harness to 22-pin Chrysler harness with stripped leads (B)
- 4-pin harness with stripped leads

TOOLS REQUIRED

- Cutting tool
- Tape
- Crimping tool
- Connectors (example: butt-connectors, bell caps, etc.)

CAUTION: *Metra recommends disconnecting the negative battery terminal before beginning any installation. All accessories, switches, and especially air bag indicator lights must be plugged in before reconnecting the battery or cycling the ignition.*

NOTE: *Refer to the instructions included with the aftermarket radio.*



CHTO-013

Applications

HARNESS (A) - LD-CHTO-31

| CHRYSLER | | DODGE (continued) | |
|----------|-----------|-------------------|-----------|
| 300 | 2005-2007 | Magnum | 2005-2007 |
| Aspen | 2007 | Ram 1500 | 2006-2008 |
| DODGE | | Ram 2500/3500 | |
| Caliber | 2007-2008 | | 2006-2009 |
| Charger | 2006-2007 | JEEP | |
| Dakota | 2005-2007 | Commander | 2006-2007 |
| Durango | 2004-2007 | Compass | 2007-2008 |

HARNESS (B) - LD-CHTO-33

| CHRYSLER | | DODGE (continued) | |
|----------------|-----------|-------------------|-----------|
| 200 | 2011-up | Journey | 2009-2010 |
| 300 | 2008-2010 | Magnum | 2008-2009 |
| Aspen | 2008-2009 | Nitro | 2007-2011 |
| Sebring | 2007-2010 | Ram 1500 | 2009-2011 |
| Town & Country | 2008-up | Ram 2500/3500 | |
| | | | 2010-2011 |
| DODGE | | Ram Chassis Cab | 2011 |
| Avenger | 2008-up | JEEP | |
| Caliber | 2009-2012 | Commander | 2008-2010 |
| Challenger | 2008-up | Compass | 2009-up |
| Charger | 2008-2010 | Grand Cherokee | |
| Dakota | 2008-2011 | | 2008-2013 |
| Durango | 2008-2013 | Liberty | 2008-2013 |
| Grand Caravan | 2008-up | Patriot | 2009-up |

| JEEP (continued) | |
|------------------|-----------|
| Grand Cherokee | |
| | 2005-2007 |
| Patriot | 2007-2008 |
| MITSUBISHI | |
| Raider | 2006-2007 |

| JEEP (continued) | |
|-----------------------|-----------|
| Wrangler | 2007-up |
| MITSUBISHI | |
| Raider | 2008-2009 |
| RAM | |
| 1500/2500/3500 | |
| | 2012-2012 |
| Chassis Cab 3500/5500 | |
| | 2012 |
| C/V Tradesman | |
| | 2012-up |
| VOLKSWAGEN | |
| Routan | 2009-2013 |

Connections to be made

From the 16-pin harness

- Connect the (2) **Red** wires to the ignition/accessory wire of the aftermarket radio.
- Connect the **Orange/White** wire to the illumination wire of the aftermarket radio. If the aftermarket radio does not have an illumination wire, tape off the **Orange/White** wire.
- Connect the **Blue/White** wire to the amp turn on wire of the aftermarket radio.
- Tape up the **Brown** wire. It will not be used in this application.

For vehicles with built-in navigation (only), make the following connections:

- Connect the **Light Green** wire to the parking brake wire of the aftermarket navigation radio.
- Connect the **Blue/Pink** wire to the VSS or speed sense wire of the aftermarket navigation radio.
- Connect the **Green/Purple** wire to the reverse wire of the aftermarket navigation radio.

Only make the following connections if the vehicle is amplified:

- Connect the **White** wire to the left front positive speaker output of the aftermarket radio.
- Connect the **White/Black** wire to the left front negative speaker output of the aftermarket radio.

Continued on next page



CHT0-013

Connections to be made

- Connect the **Gray** wire to the right front positive speaker output of the aftermarket radio.
- Connect the **Gray/Black** wire to the right front negative speaker output of the aftermarket radio.
- Connect the **Green** wire to the radio's left rear positive speaker output.
- Connect the **Green/Black** wire to the radio's left rear negative speaker output.
- Connect the **Purple** wire to the radio's right rear positive speaker output.
- Connect the **Purple/Black** wire to the radio's right rear negative speaker output.

From the 22-pin Chrysler harness

Note: Use appropriate harness for your vehicle application as shown in Applications, p.2.

- Connect the **Yellow** wire to the radio's 12-volt battery or memory wire.
- Connect the **Black** wire to the radio's ground wire.
- Connect the **Blue/White** wire to the radio's amp turn on wire if populated on the factory side.

For non-amplified vehicles (only), make the following connections:

- Disconnect the (2) 4-pin connectors, with the **Purple** and **Green** wires in it.
- Connect the 4-pin harness with stripped leads to the 4-pin connector, with the **Purple** and **Green** wires, coming from the Gray 22-pin connector.

- Connect the **Green** wire to the radio's left rear positive speaker output.
- Connect the **Green/Black** wire to the radio's left rear negative speaker output.
- Connect the **Purple** wire to the radio's right rear positive speaker output.
- Connect the **Purple/Black** wire to the radio's right rear negative speaker output.

Tip: If you are unsure if your vehicle is amplified or not, note that these following wires will only be populated in the factory harness if non-amplified.

- Connect the **White** wire to the left front positive speaker output of the aftermarket radio.
- Connect the **White/Black** wire to the left front negative speaker output of the aftermarket radio.
- Connect the **Gray** wire to the right front positive speaker output of the aftermarket radio.
- Connect the **Gray/Black** wire to the right front negative speaker output of the aftermarket.

From the 12-way harness

- This harness is for the ASWC-1 (sold separately). Please refer to the ASWC-1 instructions for programming.

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INSTALLATION INSTRUCTIONS FOR PART CHT0-013

Installing the CHT0-013

- With all connections completed to the aftermarket radio, plug the 22-pin harness into the vehicles wiring harness.
- Reconnect the negative battery terminal.
- Cycle the key, by turning the ignition on for 30 seconds. Then off and on again to test the radio.

Testing the CHT0-013

- Turn the ignition on if not already, and then turn the radio on to verify that the radio works. Check balance and fader controls for proper operation.

For amplified models only:

- To adjust the overall volume of your audio system rotate the potentiometer, which is located on the 16-pin side of the interface clockwise.

Our installation parts and kits make aftermarket stereo and video installation a breeze.