

### 2011 – Current Kia Optima Qi Wireless Charging Kit (Kit # FDMC-1281)

**Please read thoroughly before starting installation and check that kit contents are complete.**

#### **Items Included in the Kit:**

Qi Wireless Charging Module with  
Optima Specific Substrate  
Power Harness with 3 amp Fuse  
Optima Specific Non Slip Mat  
Product guidelines sticker  
These Instructions with Template

#### **Tools & Supplies Needed:**

Plastic Trim Removal Tool  
Center Punch/Scribe Tool  
Power Drill  
1/2" Drill Bit or Uni bit  
Wire Ties  
Soldering Iron & Solder (Recommended)  
Tape or Heat Shrink Electrical Tubing

**\*Note this product is designed to work with Qi compatible devices. Please confirm that your device is Qi compatible before installation. Visit [www.brandmotion.com](http://www.brandmotion.com) for phone compatibility guide.**

#### **Safety Precautions:**

- Work in well ventilated area that is clear of obstructions.
- Secure vehicle with tire chucks in both front and rear of tires.
- Turn vehicle accessories OFF and ensure ignition key is in OFF position.
- Wear safety goggles and snug fitting clothes.
- Use tools only for their intended purpose and which are in good repair.
- Only perform this task if confidence, skill, and physical ability permit.

**NOTE: We strive to provide accurate and up-to-date installation instructions.**

**IMPORTANT: Do not place smart keys within 15cm of charging mat. Vehicle may not detect key to start vehicle. Do not place metal objects in tray while charging.**

## INSTALLATION INSTRUCTIONS

1. Make sure your vehicle does not have a electric parking brake. If so this kit will not work.
2. Your front console should look like this.



3. Start by removing the leather trim around shifter. Pull up with your fingers on the trim around the other edge of the leather.



4. Pull up on the leather to remove all the way up.



5. To remove the shifter knob, grab shifter knob, pull up and "wiggle" knob to release.



6. With shifter knob removed, grab on to trim from the shifter opening and pull straight up the unclip trim.



7. Remove console trim. Unplug the plugs on the back of the trim.
8. Place the template in the pocket and mark the ½ hole to be drilled for the power harness to pass through.
9. Connect the supplied power harness to the power point (cigarette lighter) harness.
10. Connect the red wire to the factory orange wire, by splicing into the wire and wrapping with tape or heat shrink when done.
11. Connect the black wire to the factory black wire, by splicing into the wire and wrapping with tape or heat shrink when done.
12. Remove the paper off the double-sided sticky pad, insert the power plug of the module through the hole drilled and place the module into the pocket. **Note: Clean the bottom of the pocket with alcohol for a better adhesion.**

## INSTALLATION INSTRUCTIONS

13. Plug in the module power plug to the power harness that was wired in in step 10 and 11.
14. Plug in all factory harness that were unplugged.
15. Reinstall console trim.
16. Turn on ignition to test charge module. The LED light will turn on blue when powered up. Set Qi wireless equipped phone onto mat and the LED will change to green.
17. Reinstall trim in reverse order, be careful not to pinch any wires.

## Add-A-Circuit Addendum

**Please read thoroughly before starting installation and check that kit contents are complete.**

**Items added to this kit:**

Add-a-circuit power tap w/ 2amp fuse

**Safety Precautions:**

- Work in well ventilated area that is clear of obstructions.
- Secure vehicle with tire chucks in both front and rear of tires.
- Turn vehicle accessories OFF and ensure ignition key is in OFF position.
- Wear safety goggles and snug fitting clothes.
- Use tools only for their intended purpose and which are in good repair.
- Only perform this task if confidence, skill, and physical ability permit.

**NOTE: We strive to provide accurate and up-to-date installation instructions. For the latest full color instructions, as well as an installation video, please visit [www.brandmotion.com](http://www.brandmotion.com)**

1. The fuse holder/Add-a-circuit is an ATM style fuse. Check the fuse box of the vehicle to see if it has the same style fuses.
2. If you have different style fuses, follow the instructions provided in this kit for power connections in the vehicle.
3. If you have the same style fuses, use a computer safe test light or Digital voltmeter to find a fuse that is accessory power. *(The fuse will change from ground when the key is off, to 12 volts when the key is turned on).*
4. Remove the fuse and place into the open spot on the Add-a-circuit.
5. Insert the Add-a-circuit in to the fuse box where the fuse was just removed from.
6. Connect the black wire of the Freedom Charge module to a clean solid ground.

1281 template

Drill 1/2 hole for Wire





# freedomcharge™

WIRELESS CHARGING

- center your Qi equipped phone on mat and LED will illuminate green to indicate charging
- contact your phones service provider to confirm if your phone is or can be Qi equipped
- charging may take up to 15 seconds to begin
- your phone may become warm during charging, this condition is normal
- no metal object on mat while charging
- do not place keys on mat

**consumer to remove label**