

Installation assistance available at:

# RFTECH

[www.rockfordfosgate.com/rftech](http://www.rockfordfosgate.com/rftech)

**1998 - 2013**  
**HARLEY-DAVIDSON®**  
**AMPLIFIER INSTALL KIT**

**RFKHD9813**

Serial Number: \_\_\_\_\_ Date of Purchase: \_\_\_\_\_



600 South Rockford Drive • Tempe, Arizona 85281 United States  
Direct: (480) 967-3565 • Toll Free: (800) 669-9899  
**ROCKFORDFOSGATE.COM**



Dear Customer,

Congratulations on your purchase of the world's finest brand of audio products. At Rockford Fosgate we are fanatics about musical reproduction at its best, and we are pleased you chose our product. Through years of engineering expertise, hand craftsmanship and critical testing procedures, we have created a wide range of products that reproduce music with all the clarity and richness you deserve.

For maximum performance we recommend you have your new Rockford Fosgate product installed by an Authorized Rockford Fosgate Dealer, as we provide specialized training through Rockford Technical Training Institute (RTTI). Please read your warranty and retain your receipt and original carton for possible future use.

Great product and competent installations are only a piece of the puzzle when it comes to your system. Make sure that your installer is using 100% authentic installation accessories from Rockford Fosgate in your installation. Rockford Fosgate has everything from RCA cables and speaker wire to power wire and battery connectors. Insist on it! After all, your new system deserves nothing but the best.

To add the finishing touch to your new Rockford Fosgate image order your Rockford accessories, which include everything from T-shirts to hats.

Visit our web site for the latest information on all Rockford products; [www.rockfordfosgate.com](http://www.rockfordfosgate.com) or, in the U.S. call 1-800-669-9899 or FAX 1-800-398-3985. For all other countries, call +001-480-967-3565 or FAX +001-480-966-3983.

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If, after reading your manual, you still have questions regarding this product, we recommend that you see your Rockford Fosgate dealer. If you need further assistance, you can call us direct at **1-800-669-9899**. Be sure to have your serial number, model number and date of purchase available when you call.

**PRACTICE SAFE SOUND**

Continuous exposure to sound pressure levels over 100dB may cause permanent hearing loss. High powered auto sound systems may produce sound pressure levels well over 130dB. Use common sense and practice safe sound.

**Safety**

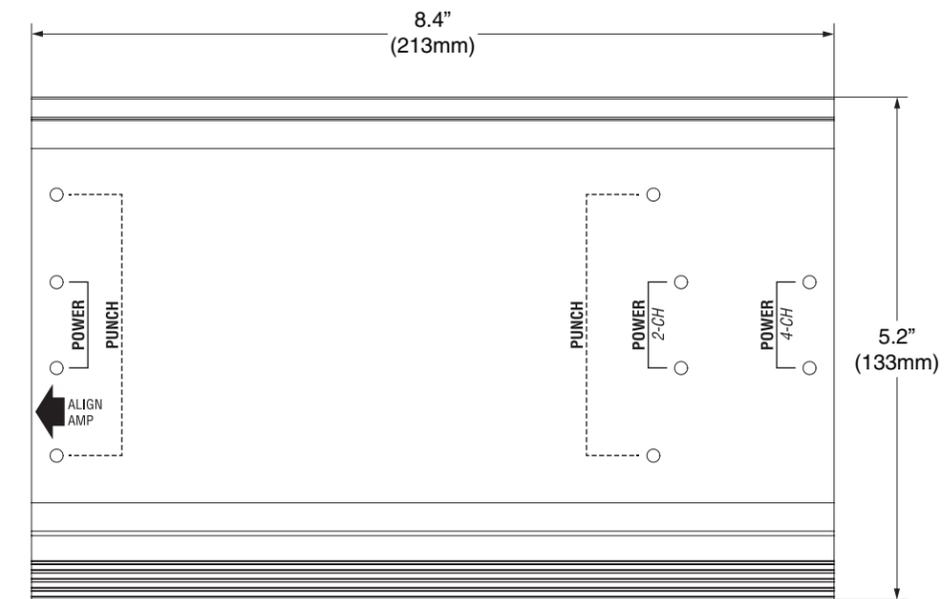
This symbol with "WARNING" is intended to alert the user to the presence of important instructions. Failure to heed the instructions will result in severe injury or death.



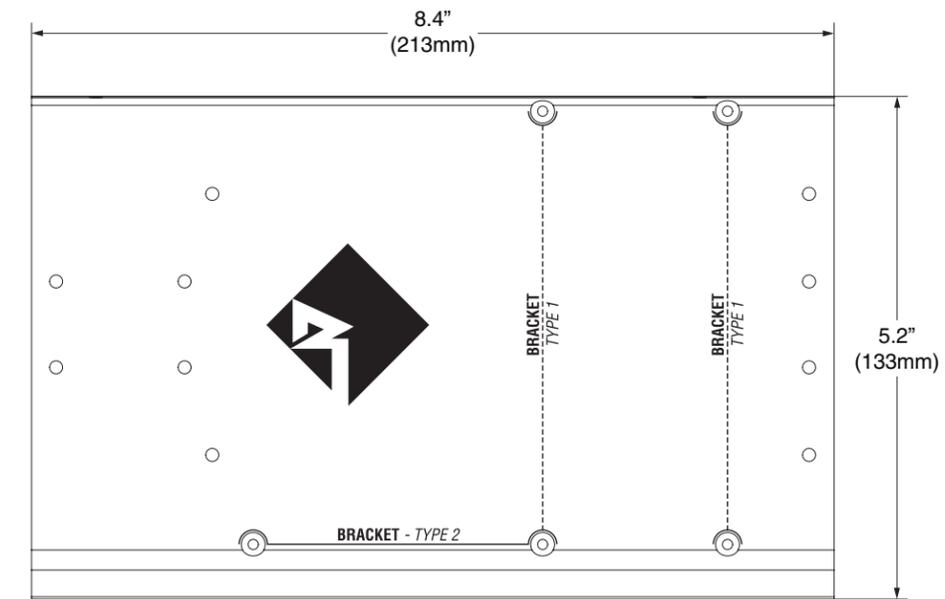
This symbol with "CAUTION" is intended to alert the user to the presence of important instructions. Failure to heed the instructions can result in injury or unit damage.



- To prevent injury and damage to the unit, please read and follow the instructions in this manual. We want you to enjoy this system, not get a headache.
- If you feel unsure about installing this system yourself, have it installed by a qualified Rockford Fosgate technician.
- Before installation, disconnect the battery negative (-) terminal to prevent damage to the unit, fire and/or possible injury.



**TOP VIEW**

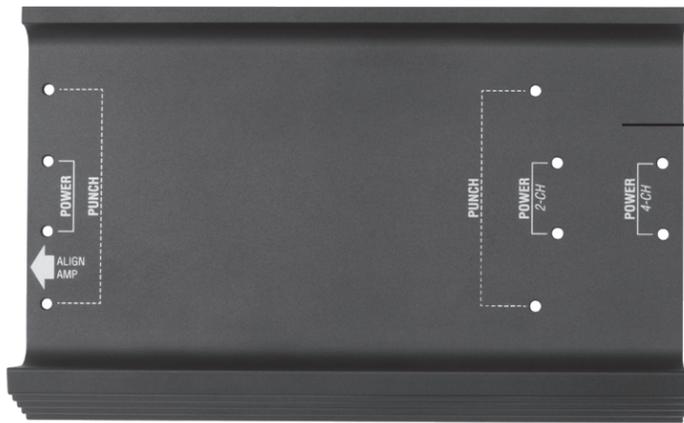


**BOTTOM VIEW**



**SIDE VIEW**

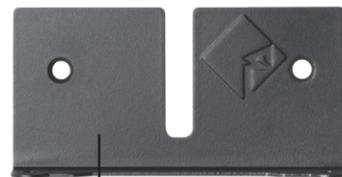
Note: This mounting plate is specifically designed for Rockford Fosgate's compact chassis amplifiers. Compatible models are PBR300X2, PBR300X4, T400X2ad, T400X4ad, TM400X2ad and TM400X4ad.



**Amplifier Mounting Plate**  
 This amplifier mounting plate is specifically designed to work with Rockford Fosgate's POWER and PUNCH® compact chassis amplifiers in both 2 and 4-channel configurations.



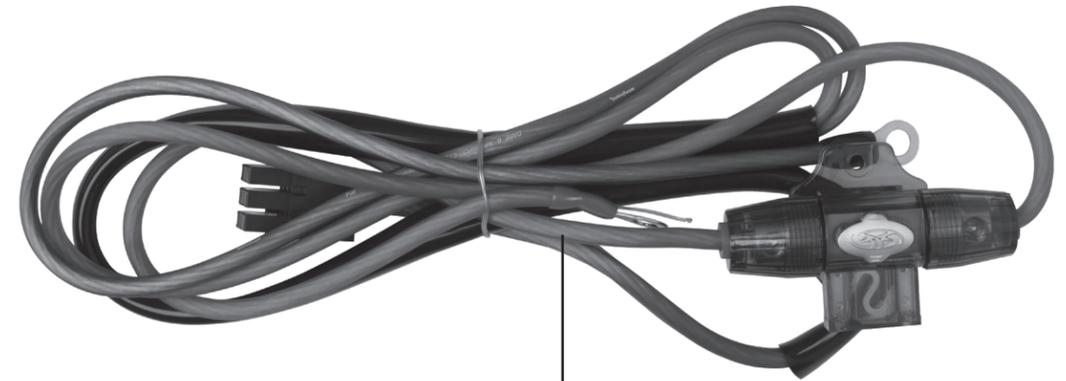
**Bracket (Type 1)**  
 This bracket is used on Road Glide® and Road Glide Ultra® motorcycle fairing styles only. It mounts to the clutch side turn signal bracket.



**Bracket (Type 2)**  
 The bracket is to be used on Ultra Classic®, Electra Glide®, Street Glide® and Tri Glide® motorcycle fairings only. It mounts on top of the factory radio. (Does not work on models with Communication Module)



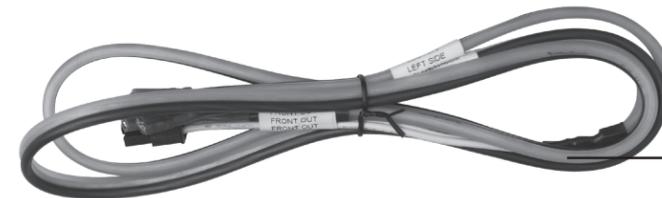
**Mounting Hardware**  
 Included hardware to mount brackets to mounting plate.



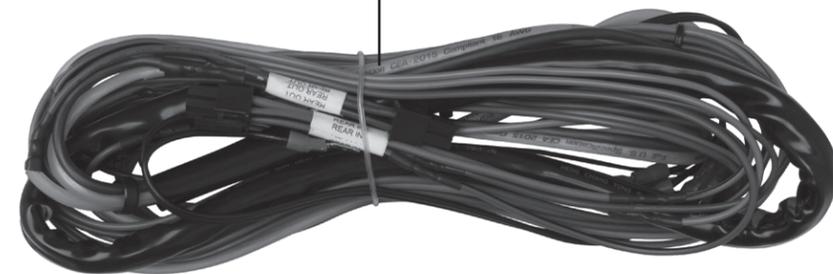
**Power / Ground Harness**  
 Preterminated 8 AWG Power and Ground Harness with inline Maxifuse. Connects directly into amplifier and to motorcycle battery with terminated ends.



**Front Speaker Input Harness**  
 Preterminated harness connects to factory front speaker wire harness and amplifier front input socket.

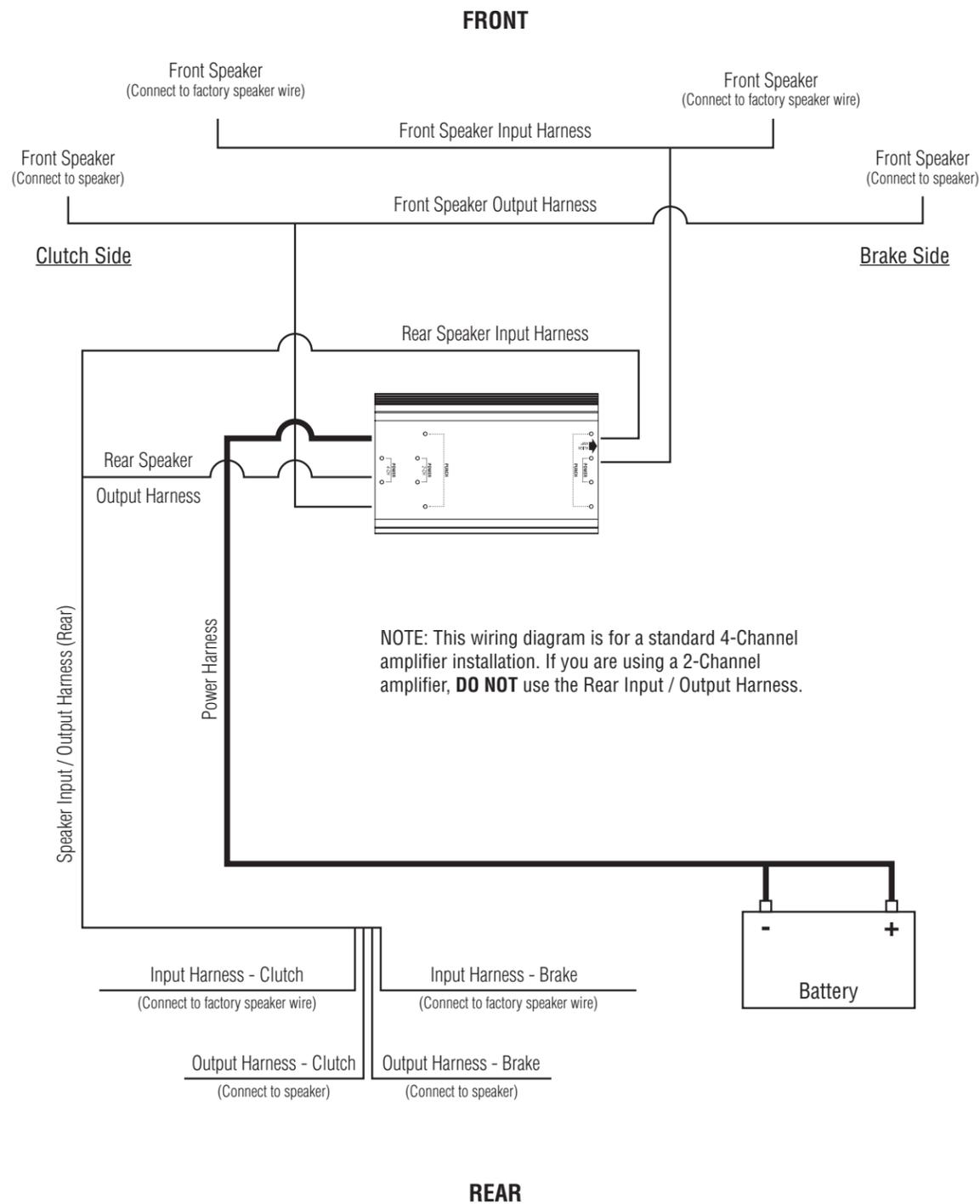


**Front Speaker Output Harness**  
 Preterminated harness connects to front speakers and amplifier front output socket.



**Rear Speaker Output / Input Harness**  
 Preterminated harness connects rear speaker input from factory rear wire harness to amplifier rear input socket, along with connecting rear speakers to amplifier rear output socket.

Note: The supplied harnesses and connectors that come with the compatible amplifiers will not be used for this installation. This kit contains replacement harnesses for ease of installation.



**Contents**

- Extruded Heat Sink Mounting Plate
- Road Glide® Fairing Style Bracket
- Street Glide® Fairing Style Bracket
- Mounting Hardware
- Power/Ground Wire Harness w/ Inline Maxifuse
- Front Input Harness
- Front Output Harness
- Rear Input/Output Harness

**Installation Tools**

The following is a list of suggested tools needed for installation:

- Wrenches / Sockets - 7/16", 3/8", 1/2", 10mm
- Allen Wrenches - 1/8", 5/32"
- Torx - T10, T25
- #2 Phillips Screw Driver
- Small Flat Blade Screw Driver
- Wire Cutters
- Scissors

**Installation Considerations**

This section focuses on some considerations for installing your motorcycle amplifier installation kit. This manual will illustrate the installation of two different fairing styles offered by Harley-Davidson® from the production years ranging from 1998 to 2013. (Ultra Classic®, Electra Glide®, Street Glide®, Tri Glide®, Road Glide®, Road Glide Ultra® and CVO™.)

If you feel unsure about installing this system yourself, have it installed by a qualified technician.

**CAUTION** Before installation, disconnect the battery negative (-) terminal to prevent damage to the unit, fire and/or possible injury.

**CAUTION** Before beginning any installation, follow these simple rules:

- Be sure to carefully read and understand the instructions before attempting to install this motorcycle audio kit.
- Consult your motorcycle's service manual for model specific information. Models may differ from year to year depending on factory options and aftermarket accessories added.
- This motorcycle amplifier installation kit is specifically designed to work with Rockford Fosgate's POWER and PUNCH® compact chassis amplifiers in both 2 or 4-channel configurations.
- With the addition of an amplifier, be sure that your current charging system is in proper working order.
- Utilize a blanket or fender cover to protect the front fender from tools or any other items that may be accidentally dropped while removing the fairing.
- Visit [rockfordfosgate.com](http://rockfordfosgate.com) for more comprehensive installation videos and product information.

**Ultra Classic®, Electra Glide®, Street Glide® and Tri Glide® models.**



**Step 1 - Fairing Removal**

To begin with, remove the top bolts below the windshield and remove the windshield.



Once you have the windshield set aside, remove the remaining screws on the inside of the fairing. This will allow you to remove the front fairing.



You will need to disconnect the harness from the headlight to completely take the fairing off of the motorcycle.

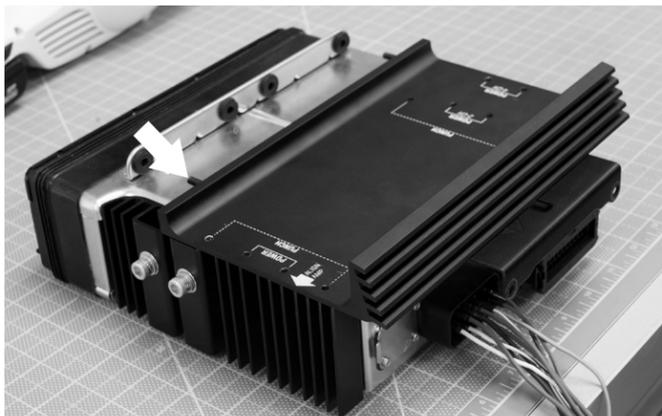


**Step 2 - Mounting Plate and Bracket Mounting**

Using the Type 2 bracket, align bracket on the bottom side of the mounting plate using the bracket type indicators.



On the top edge, you will screw in the two threaded pins into the mounting plate. These are used to align the mounting plate with the rubber busings on top of the factory radio.



**Step 3 - Amplifier Mounting**

Mount amplifier upside down (as pictured) with the supplied screws to the mounting plate. Align the amplifier to the appropriate holes on the plate. They are labeled for either a PUNCH® or POWER compact chassis amplifier in 2 and 4 channel configurations.

Example below: 2-Channel PUNCH® Amplifier



Example below: 4-Channel Power Amplifier



Once the amplifier is mounted, you can now begin plugging in the wiring harness in their appropriate sockets.

Example below: 2-Channel PUNCH® Amplifier



**Step 1 - Removal**



Leaving the windshield in place, remove the six inner fairing screws.



After the screws are removed, use your socket or ratcheting wrench to unbolt the turn signal brackets.

NOTE: Some turn signal brackets stay attached and some can be completely removed. This varies depending on aftermarket and factory accessory styles.



Example below: 4-Channel Power Amplifier



Note: Refer to your amplifier's owner manual for additional wiring and setup information. Be careful when plugging in the harnesses to the appropriate socket. The 4-pin Molex plugs for the Input / Output Harnesses fit in both sides of the amplifier.

**Step 4 - Fairing Speaker Wiring**

Unplug the the factory speaker wires from the speaker and plug them directly in to the Front Speaker Input Harness. These are labeled clutch and brake side.

Now you can plug the new Front Speaker Output Harness onto your new speaker terminals.

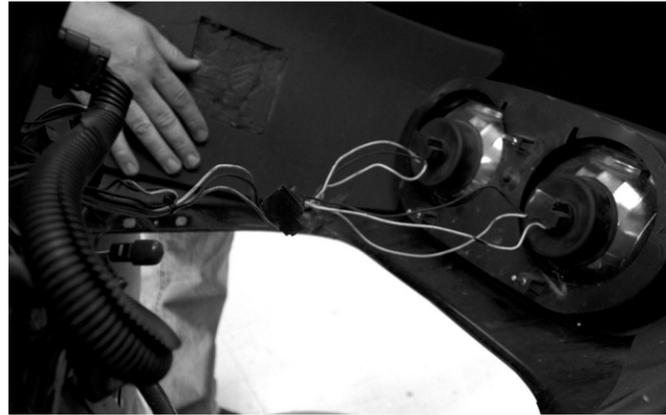
NOTE: The terminals utilize the 1/8" for negative (-) and the 1/4" for positive (+) sizes for easy connections.

Route power / ground through fairing. (If installing a 4-Channel amplifier and rear speakers, feed the Rear Speaker Input / Output Harness through fairing towards the rear of the bike.)

**Proceed to Step 5 on page 11 for continued installation instructions.**

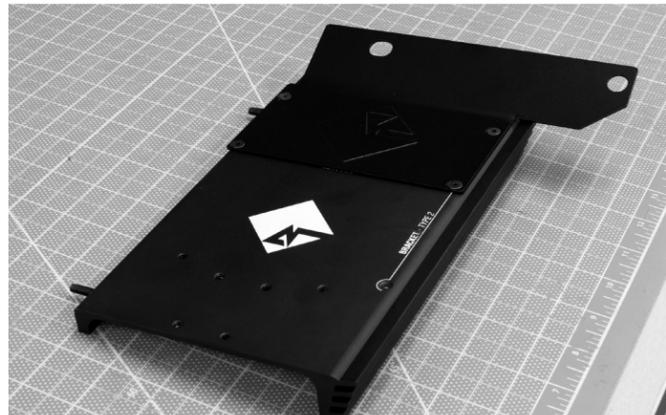
**Road Glide® and Road Glide Ultra® models.**

Pull the fairing toward the front of the bike and up to release it from the fairing mounts. Unplug headlight harness and set fairing aside.

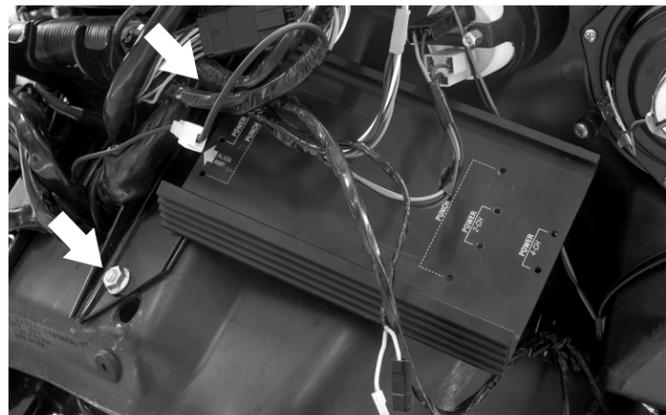


**Step 2 - Mounting Plate and Bracket Mounting**

Using the Type 1 bracket, align bracket on the bottom side of the mounting plate using the bracket type indicators.



After you have the bracket attached to the mounting plate, remove the clutch side fairing bulkhead nuts. Place the bracket over the studs pushing the bracket upwards while tightening down using the factory hardware.



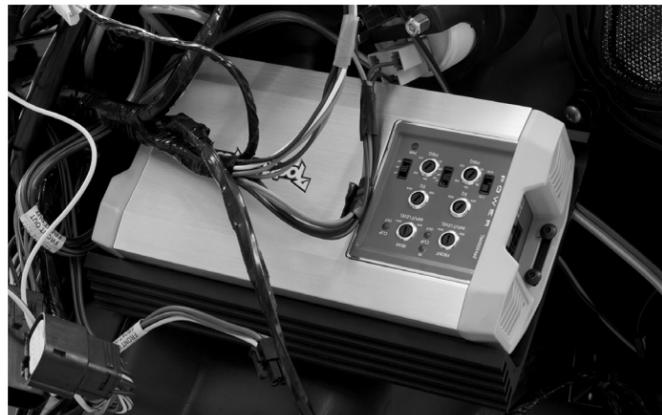
**Step 3 - Amplifier Mounting**

Mount amplifier upside down (as pictured) with the supplied screws to the mounting plate. Align the amplifier to the appropriate holes on the plate. They are labeled for either a PUNCH® or POWER compact chassis amplifier in 2 and 4 channel configurations.

Example below: 2-Channel PUNCH® Amplifier



Example below: 4-Channel Power Amplifier



Once the amplifier is mounted, you can now begin plugging in the wiring harness in their appropriate sockets.

Example below: 2-Channel PUNCH® Amplifier



**(4-Channel Amplifier)**

**Step 6 - Rear Speaker Installation**

With the seat already removed, route the Rear Speaker Harness toward the rear of the motorcycle over the fender along the brake side of the motorcycle.



Unplug the factory speaker wires from the speaker and plug them directly in to the Rear Speaker Input / Output Harness. These are labeled clutch and brake side.

NOTE: The terminals utilize the 1/8" for negative (-) and the 1/4" for positive (+) sizes for easy connections.

Once all of the terminals are connected, insert the new speaker and fasten to the speaker pod.

**Step 9 - Connect Battery**

Connect the positive (+) and negative (-) wires to the battery. The system is ready to test. Reinstall fairing and seat when system check is completed.



Example below: 4-Channel Power Amplifier



Note: Refer to your amplifier owner's manual for additional wiring and setup information. Be careful when plugging in the harnesses to the appropriate socket. The 4-pin Molex plugs for the Input / Output Harnesses fit in both sides of the amplifier.

**Step 4 - Fairing Speaker Wiring**

Unplug the the factory speaker wires from the speaker and plug them directly in to the Front Speaker Input Harness. These are labeled clutch and brake side.

Now you can plug the new Front Speaker Output Harness onto your new speaker terminals.

NOTE: The terminals utilize the 1/8" for negative (-) and the 1/4" for positive (+) sizes for easy connections.

Route power / ground through fairing. (If installing a 4-Channel amplifier and rear speakers, feed the Rear Speaker Input / Output Harness through fairing towards the rear of the bike.)

**All Models**

**Step 5 - Routing Power Harness / Rear Speaker Harness**

Pass the Power / Ground Harness and Rear Speaker Harness through the fairing and route next to the factory wiring harness. Routing the new wire harnesses along with the factory harness is recommended. Be sure to zip tie the harnesses together for a clean, tight fit.

Due to the size wire for the Power / Ground Harness and Rear Speaker Harness (if applicable), it is recommended to route the wiring under the gas tank along the top of the frame on the motorcycle.

Note: Refer to the motorcycle manufacturer owner's manual for instructions regarding gas tank removal.

# Warranty

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**Rockford Corporation offers a limited warranty on Rockford Fosgate products on the following terms:**

## **Length of Warranty**

- POWER Amplifiers – 2 Years
- BMW® Direct Fit Speakers – 2 Years
- All other products – 1 Year
- Any Factory Refurbished Product – 90 days (receipt required)

## **What is Covered**

This warranty applies only to Rockford Fosgate products sold to consumers by Authorized Rockford Fosgate Dealers in the United States of America or its possessions. Product purchased by consumers from an Authorized Rockford Fosgate Dealer in another country are covered only by that country's Distributor and not by Rockford Corporation.

## **Who is Covered**

This warranty covers only the original purchaser of Rockford product purchased from an Authorized Rockford Fosgate Dealer in the United States. In order to receive service, the purchaser must provide Rockford with a copy of the receipt stating the customer name, dealer name, product purchased and date of purchase.

Products found to be defective during the warranty period will be repaired or replaced (with a product deemed to be equivalent) at Rockford's discretion.

## **What is Not Covered**

1. Damage caused by accident, abuse, improper operations, water, theft, shipping.
2. Any cost or expense related to the removal or reinstallation of product.
3. Service performed by anyone other than Rockford or an Authorized Rockford Fosgate Service Center.
4. Any product which has had the serial number defaced, altered, or removed.
5. Subsequent damage to other components.
6. Any product purchased outside the U.S.
7. Any product not purchased from an Authorized Rockford Fosgate Dealer.

## **Limit on Implied Warranties**

Any implied warranties including warranties of fitness for use and merchantability are limited in duration to the period of the express warranty set forth above. Some states do not allow limitations on the length of an implied warranty, so this limitation may not apply. No person is authorized to assume for Rockford Fosgate any other liability in connection with the sale of the product.

## **How to Obtain Service**

Contact the Authorized Rockford Fosgate Dealer you purchased this product from. If you need further assistance, call 1-800-669-9899 for Rockford Customer Service. You must obtain an RA# (Return Authorization number) to return any product to Rockford Fosgate. You are responsible for shipment of product to Rockford.

## **EU Warranty**

This product meets the current EU warranty requirements, see your Authorized dealer for details.