

XM65F XM65R

6.5" COAXIAL SPEAKERS DESIGNED AND ENGINEERED TO CONNECT
AND MOUNT TO HARLEY-DAVIDSON® RUSHMORE PLATFORM
TOURING MODEL MOTORCYCLES

INSTRUCTION MANUAL

JVCKENWOOD Corporation

Take the time to read through this instruction manual.

Familiarity with installation and operation procedures will help you obtain the best performance from your new power amplifier.

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your KENWOOD dealer for information or service on the product.

Model XM65F Serial number _____

Model XM65R Serial number _____



US Residents Only

Register Online

Register your KENWOOD product at <https://registerkenwood.us.jvckenwood.com/>

Safety precautions

CAUTION

To avoid the risk of human injury or property damage, be sure to read and observe the following safety precautions:

- Consult a professional technician for installing and connecting the speaker. — Incorrect installation may lead to traffic accidents or malfunctions.
- Avoid installation where the speaker is unstable. — Make sure that the speaker is stationary and does not rattle. Displacement of the speaker may cause injury.
- Do not modify the speaker. — Doing so may result in smoke or fire.
- Keep the volume of sound at an optimum level. — Not being able to hear sounds from your surroundings can lead to traffic accidents.
- In case of abnormality, stop the use and disconnect the speaker. — If operation is continued, smoke or fire may result. Disconnect the speaker and ask servicing.
- Always wear protective eyewear during installation.
- To prevent short-circuit, keep all wiring away from moving parts, sharp edges, cut metal, etc.
- When removing or installing the grille, be careful not to brush the unit with the edge of the grille.
- Do not switch ON power until wiring is completed.

FOR PROPER INSTALLATION AND USE

Please read the instructions carefully before using this speaker:

- Be careful not to accidentally kick or apply any sort of strong impact to the speaker.
- To prevent damaging the speaker, turn off the power of the amplifier before connecting it to the speaker.
- Do not use the provided parts for other purposes. Otherwise malfunction or fire hazard could result.

NOTE

Observe the following cautions to prevent damage to the speakers:

- You cannot input the same power as “peak power” continually.
- When the volume is set too high, the sound may be distorted or abnormal. Reduce the volume promptly in case of such phenomena.

KENWOOD XM65F and XM65R speakers will work best when powered by an amplifier. They have an impedance of 2 ohm and will cause damage if wired directly to the built-in power of a non-2 ohm stable radio.

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Section 1 - XM65F Front Speaker Installation Instructions in FLH (Batwing) Models

Installation procedure

1. With your ignition switch in the “OFF” position, remove your outer fairing/headlamp assembly and set it aside. Refer to a service manual if you need help with this. NOTE: Placing a towel on the front fender can help prevent scratches or “dings” from dropped tools or fasteners, etc.

2. Speaker Cabinet Removal: On the brake side speaker cabinet, carefully remove the cable going into the power port/cigarette lighter assembly. If your bike has the CB module (mounted “sideways” on the clutch side cabinet), undo the antenna cable and main harness. The CB module will stay attached to the clutch side cabinet when removed. Undo the speaker wire plugs going into each cabinet (pink & pink with black stripe wires).

Section 1 - XM65F Front Speaker Installation Instructions in FLH (Batwing) Models - Cont.

NOTE: We STRONGLY suggest completing the speaker swap on one side and then moving to the other side. Figures 1.1 and 1.2 have arrows that point to the factory fasteners that will be removed to allow the cabinets to come out of the bike. Although the brake side is shown below, fastener locations are common for both brake and clutch side cabinets.

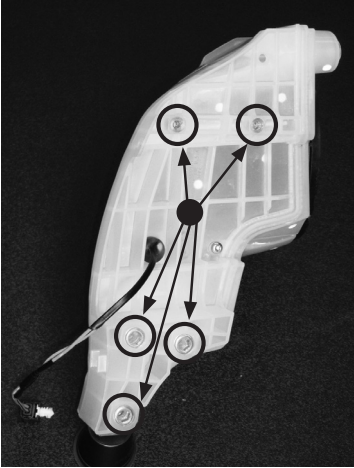


Figure 1.1 - Side view of brake side cabinet

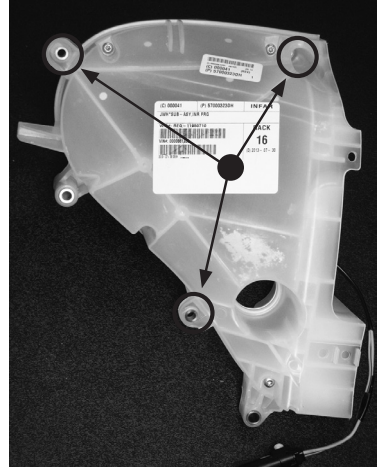


Figure 1.2 - Back view of brake side cabinet

3. Installing the New Speaker: With the cabinet removed from the bike, undo the 4 screws that hold the factory speaker to the cabinet. Carefully take off each speaker wire by disconnecting one at a time. Take the KENWOOD speaker and attach the factory speaker wires, noting they will only go on one way. Using the factory screws, attach the KENWOOD speaker to the cabinet. The factory speaker grille can be left in or replaced with the supplied metal mesh grille using the 3 factory screws on the inside of the fairing. In the KENWOOD grille, you will see two holes and one “keyhole” where the screws go through and into the fairing. The keyhole in the KENWOOD grille needs to be oriented so it is closest to the radio on each side for proper fitment. Using the factory grilles will cause a slight reduction in high-frequency volume. With the grilles in place and the speaker properly attached to the speaker cabinet, the cabinet can be re-installed.

Repeat Step 3 for the second cabinet. Plug the factory speaker wires back into the cabinet’s speaker wires and your speakers will be ready to test. Make sure to plug the power cable back into the power port/cigarette lighter assembly on the brake side. If your bike has the CB module, make sure to re-install the antenna cable and main harness. Then, re-install your fairing and windshield.

Section 2 - XM65F Road Glide Specific Front Speaker Installation Instructions

1. With your ignition in the "OFF" position, pry off each factory speaker grille from the front using your fingers or a tool, taking caution to not damage your inner fairing. With the grille off, remove the 4 screws that hold the speaker to the bike. Carefully pull the speaker away from the fairing and undo the factory wires from it. Take the new speaker and attach the wires to it, noting they will only go on one way. You will have to work the speaker around the tabs etc. to get it properly positioned.

NOTE: The speaker must be orientated so that the speaker wires are in the 12 o'clock (top) position. Damage will occur if the wires are in the 6 o'clock position.

2. With the wires in the 12 o'clock position, secure the new speaker into place using the factory screws. When both sides are complete, verify both speakers are working and then re-install the grilles.

Section 3 - XM65R Rear Speaker Installation Instructions

1. With your ignition switch in the "OFF" position, remove the factory speaker grilles by undoing the 4 screws on the front of the grilles. Carefully lift up each speaker and take the 2 wires off by pulling one at a time from the stock speaker. Then, remove the speakers.

2. KENWOOD XM65R rear speakers are a direct replacement for the OE speakers. The female OE "in-line" connectors mate with the male connectors on each speaker and only go on one way. The number 1 reason for tech support calls is due to loose connections at the speaker. Make sure you have a very good connection to avoid this. Once you are confident the factory wires are correctly attached to the new speakers, set them in place, install the supplied grilles or factory grilles, and secure the speaker by reinstalling the 4 screws per grille. Using the factory grilles will cause a slight reduction in high-frequency volume.

NOTE: The factory rubber "nutserts" on the rear pod side can be finicky. It's a good idea to get all 4 grille screws "started" and then get each one SNUG. Gradually tighten each one down, making sure that all 4 screws holding the grille down are secure. Turn your radio on to make sure both speakers are now playing.

KENWOOD LIMITED WARRANTY

This warranty will be honored only in the U.S.A.

HOW LONG IS THE WARRANTY

JVCKENWOOD USA Corporation ("KENWOOD") warrants this product for a period of one (1) year from the date of original purchase.

WHAT IS COVERED AND WHAT IS NOT COVERED

Except as specified below, this warranty covers all defects in material and workmanship in KENWOOD products.

The following are not covered by the warranty:

1. Any product which is not distributed in the USA by KENWOOD or which is not purchased in the USA from an authorized KENWOOD dealer or an automobile dealer, unless the product is purchased through the U.S.A. Military Exchange Service.
2. Any product on which the serial number has been defaced, modified or removed.
3. Damage, deterioration or malfunction resulting from:
 - a. Any shipment of the product (claims must be presented to the carrier).
 - b. Installation or removal of the product.
 - c. Accident, acts of nature, misuse, abuse, neglect, unauthorized product modification or failure to follow instructions supplied with the product.
 - d. Repair or attempted repair by anyone not authorized by KENWOOD.
 - e. Any other cause which does not relate to a product defect.

WHO IS PROTECTED

This warranty is enforceable only by the original purchaser.

WHAT WE WILL PAY FOR

We will pay for all labor and material expenses for covered items. Payment of shipping charges is discussed in the next section of this warranty.

HOW TO OBTAIN WARRANTY SERVICE

If your KENWOOD product ever needs service:

1. Take or ship it to any KENWOOD Authorized Service Center in the USA along with a complete description of the problem. (if you are uncertain as to whether a Service Center is authorized, please call 1-800-KENWOOD (1-800-536-9663) for the nearest Service Center.
2. Although you must pay any shipping charges if it is necessary to ship the product for warranty service, we will pay the return shipping charges if the repairs are covered by the warranty within the United States.
3. Whenever your units are taken or sent for warranty service, you must include a copy of the original dated sales receipt as proof of warranty coverage.

LIMITATION OF IMPLIED WARRANTIES

ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE LENGTH OF THIS WARRANTY.

EXCLUSION OF DAMAGES

KENWOOD'S LIABILITY FOR ANY DEFECTIVE PRODUCT IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE PRODUCT AT OUR OPTION. KENWOOD SHALL NOT BE LIABLE FOR:

1. INSTALLATION OR REMOVAL CHARGES, DAMAGE TO OTHER PROPERTY CAUSED BY ANY DEFECTS IN KENWOOD CAR STEREO COMPONENTS, DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT; OR
2. ANY OTHER DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS AND/OR DO NOT THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. If a problem develops during or after the Limited Warranty Period, or if you have any questions regarding the operation of the product, you should contact your KENWOOD Authorized Dealer or Authorized Service Center. If the problem or your question is not handled to your satisfaction, please contact our Customer Relations Department at the address listed below:

KENWOOD USA CORPORATION
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www.us.jvckenwood.com

Important Notes

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**For updated information (the latest Instruction Manual, etc.),
please visit the following website:**

https://manual.kenwood.com/en_contents/search/



XM65F

Features and Specifications

- IMPP Woofer Cones
- 1" (PEI) Dome Tweeters
- Metal Mesh Grills Included

Impedance:	2 Ω
Mounting Depth:	2.25"
Sensitivity:	92dB
Frequency Response:	40-25kHz
RMS Power Handling:	150W
Peak Power Handling:	300W

Caractéristiques et spécifications

- Cônes de woofer IMPP
- Tweeters à dôme 1" (PEI)
- Grilles en maille métallique incluses

Impédance:	2 Ω
Profondeur de montage:	2,25"
Sensibilité:	92dB
Réponse en fréquence:	40-25 kHz
Gestion de la puissance RMS:	150W
Gestion de la puissance maximale:	300W