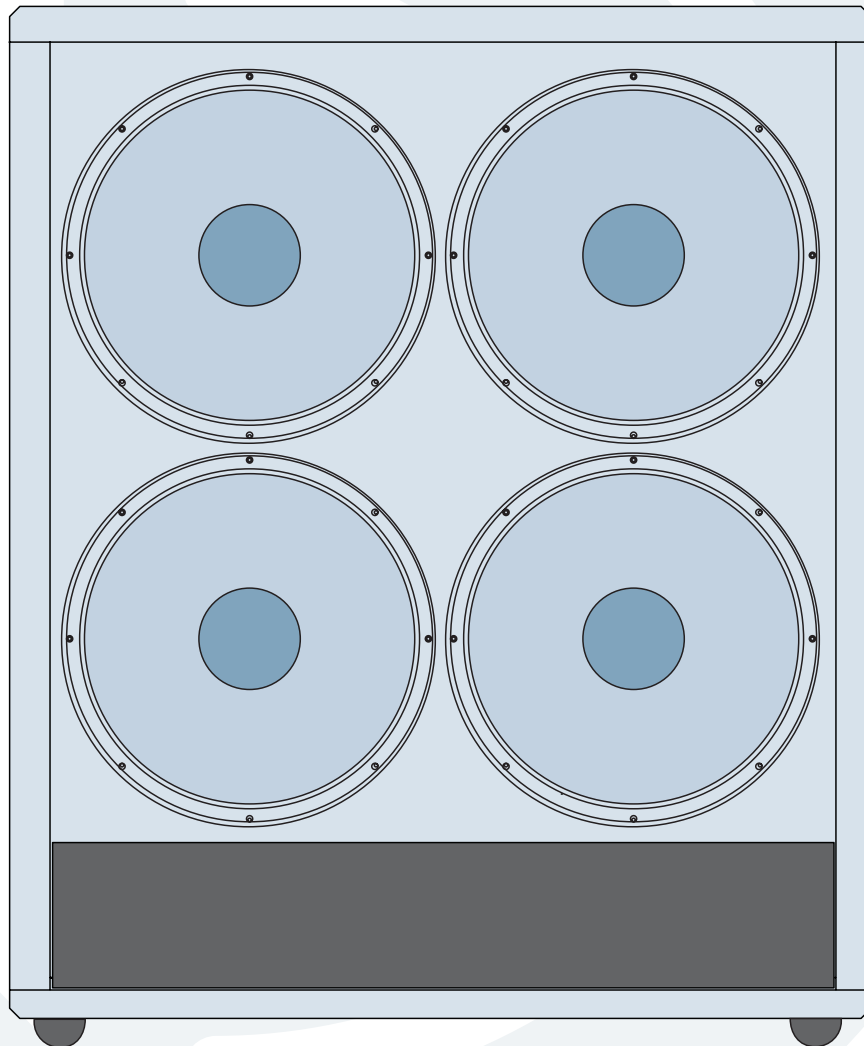




S410s REPAIR MANUAL



The LOUD Technologies Family of Brands





These instructions are intended to help restore any ailing S410s Passive Subwoofer back to factory working conditions. They show how to remove and replace the drivers and input assembly.

Please contact Mackie Technical Support (1-800-898-3211) to receive a Service Request Number and Order Number for parts needed for this restoration. They will also help you determine the nature of the problem and what parts will repair the unit.

Tools needed:

- Phillips head screwdriver.
- Solid workbench.

Parts needed:

NOTE: not all parts listed below will be needed for your repair

- | | | |
|-----------------------------|---------------|-------------|
| • 10" Woofer (Top Left) | Part #0011737 | pages 3-4 |
| • 10" Woofer (Top Right) | Part #0011737 | pages 5-6 |
| • 10" Woofer (Bottom Left) | Part #0011737 | pages 7-8 |
| • 10" Woofer (Bottom Right) | Part #0011737 | pages 9-10 |
| • Input Assembly | Part #0011817 | pages 11-12 |

Safety Warnings:

- Make sure that you disconnect all cords before you begin these procedures.
- Always use safety glasses!
- Please try NOT to touch any of the pcb circuitry, capacitors, resistors, etc.
- Take care to read and follow these instructions. It may help to read the instructions prior to the repair to get an idea of what it entails.





Top left woofer replacement:



1 Six screws need to be removed from each side of the front of the grill (twelve screws total) using the phillips head screwdriver. This grill has a tendency to want to pop off, so please be sure to hold it in place with one hand or arm while removing the screws with your free hand. In addition to the grill, the screws also hold the decorative trim. The trim should be removed, too. Keep the twelve screws in a safe place.



2 Eight screws need to be removed from the woofer using the phillips head screwdriver. Once the screws are removed, the woofer may be loosened by prying a flat head screwdriver in between the cabinet and the woofer. The eight screws should be kept in a safe place.



Top left woofer replacement continued:

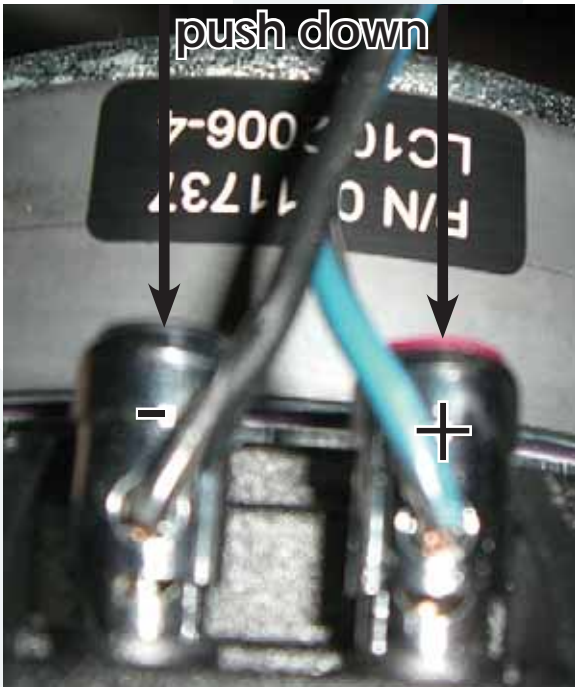


3 Carefully begin to remove the woofer.

Caution: The woofer is approximately 8 pounds with the weight unevenly distributed.



5 The picture above shows what the S410s looks like with the grill and top left woofer removed. Place the new woofer (part #0011737) where the old one was. Follow the same steps as above, but backwards 4 to 1. Power up the S410s and the new woofer should now be pumping out glorious lows. Awesome, you just replaced a 10" woofer!



4 The positive (blue and black) and negative (solid black) cables are still attached to the woofer terminals. Remove the cables from their terminals simply by pushing down on the terminal and pulling out the cable.





Top right woofer replacement:



1 Six screws need to be removed from each side of the front of the grill (twelve screws total) using the phillips head screwdriver. This grill has a tendency to want to pop off, so please be sure to hold it in place with one hand or arm while removing the screws with your free hand. In addition to the grill, the screws also hold the decorative trim. The trim should be removed, too. Keep the twelve screws in a safe place.

2 Eight screws need to be removed from the woofer using the phillips head screwdriver. Once the screws are removed, the woofer may be loosened by prying a flat head screwdriver in between the cabinet and the woofer. The eight screws should be kept in a safe place.





Top right woofer replacement continued:

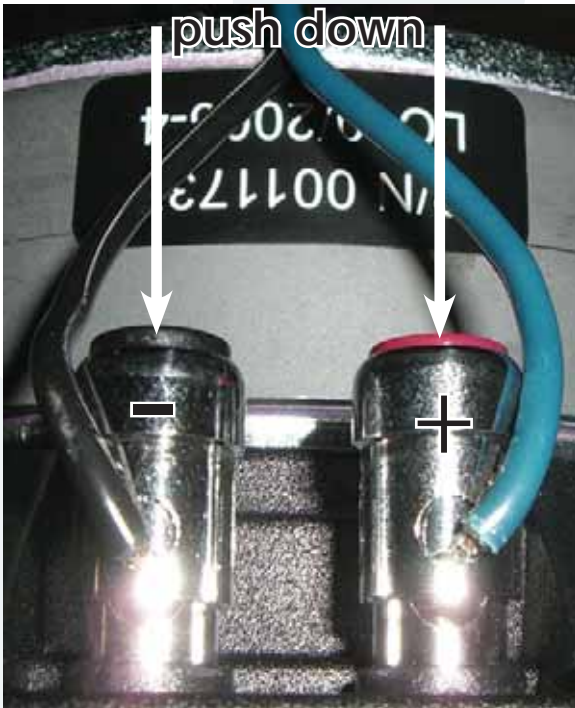


3 Carefully begin to remove the woofer.

Caution: The woofer is approximately 8 pounds with the weight unevenly distributed.



5 The picture above shows what the S410s looks like with the grill and top right woofer removed. Place the new woofer (part #0011737) where the old one was. Follow the same steps as above, but backwards 4 to 1. Power up the S410s and the new woofer should now be pumping out glorious lows. Awesome, you just replaced a 10" woofer!



4 The positive (blue and black) and negative (solid black) cables are still attached to the woofer terminals. Remove the cables from their terminals simply by pushing down on the terminal and pulling out the cable.





Bottom left woofer replacement:



1 Six screws need to be removed from each side of the front of the grill (twelve screws total) using the phillips head screwdriver. This grill has a tendency to want to pop off, so please be sure to hold it in place with one hand or arm while removing the screws with your free hand. In addition to the grill, the screws also hold the decorative trim. The trim should be removed, too. Keep the twelve screws in a safe place.

2 Eight screws need to be removed from the woofer using the phillips head screwdriver. This woofer has a tendency to want to pop out, so please be sure to hold the woofer in place with your free hand while removing the screws with the other hand. The eight screws should be kept in a safe place.





Bottom left woofer replacement continued:

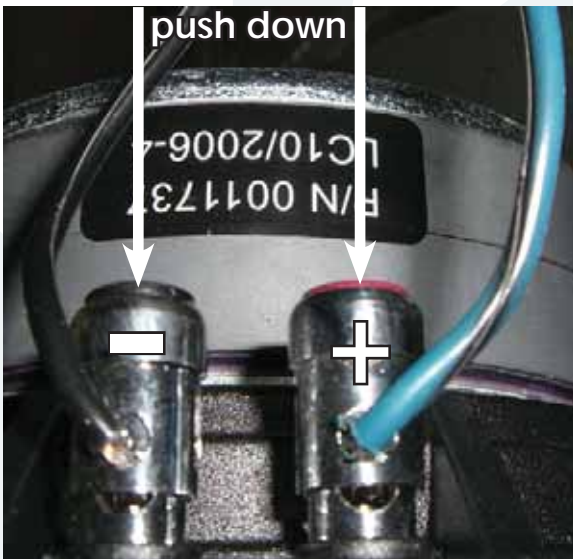


3 Carefully begin to remove the woofer.

Caution: The woofer is approximately 8 pounds with the weight unevenly distributed.



5 The picture above shows what the S410s looks like with the grill and bottom left woofer removed. Place the new woofer (part #0011737) where the old one was. Follow the same steps as above, but backwards 4 to 1. Power up the S410s and the new woofer should now be pumping out glorious lows. Awesome, you just replaced a 10" woofer!



4 The positive (blue and black) and negative (solid black) cables are still attached to the woofer terminals. Remove the cables from their terminals simply by pushing down on the terminal and pulling out the cable.





Bottom right woofer replacement:



1 Six screws need to be removed from each side of the front of the grill (twelve screws total) using the phillips head screwdriver. This grill has a tendency to want to pop off, so please be sure to hold it in place with one hand or arm while removing the screws with your free hand. In addition to the grill, the screws also hold the decorative trim. The trim should be removed, too. Keep the twelve screws in a safe place.

2 Eight screws need to be removed from the woofer using the phillips head screwdriver. This woofer has a tendency to want to pop out, so please be sure to hold the woofer in place with your free hand while removing the screws with the other hand. The eight screws should be kept in a safe place.



Bottom right woofer replacement continued:

3 Carefully begin to remove the woofer.

Caution: The woofer is approximately 8 pounds with the weight unevenly distributed.



5 The picture above shows what the S410s looks like with the grill and bottom right woofer removed. Place the new woofer (part #0011737) where the old one was. Follow the same steps as above, but backwards 4 to 1. Power up the S410s and the new woofer should now be pumping out glorious lows. Awesome, you just replaced a 10" woofer!



4 The positive (blue and black) and negative (solid black) cables are still attached to the woofer terminals. Remove the cables from their terminals simply by pushing down on the terminal and pulling out the cable.



Input assembly replacement:



1 Eight screws need to be removed from the input assembly (located on the rear of the cabinet) using the phillips head screwdriver. Once the screws are removed, the input assembly may be loosened by prying a flat head screwdriver in between it and the cabinet. Keep the eight screws in a safe place.

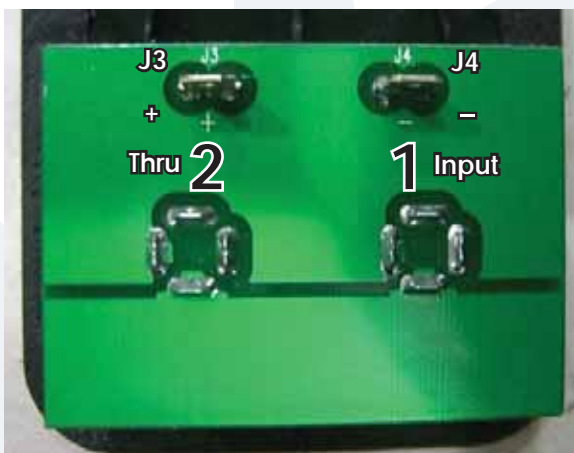
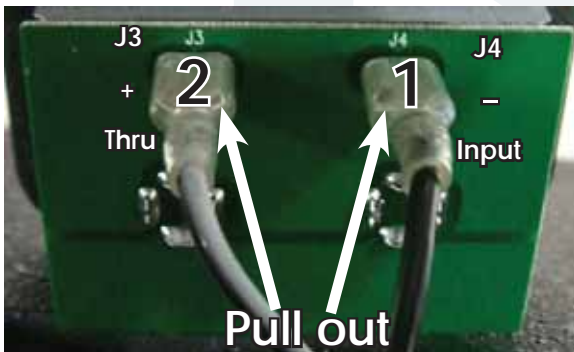
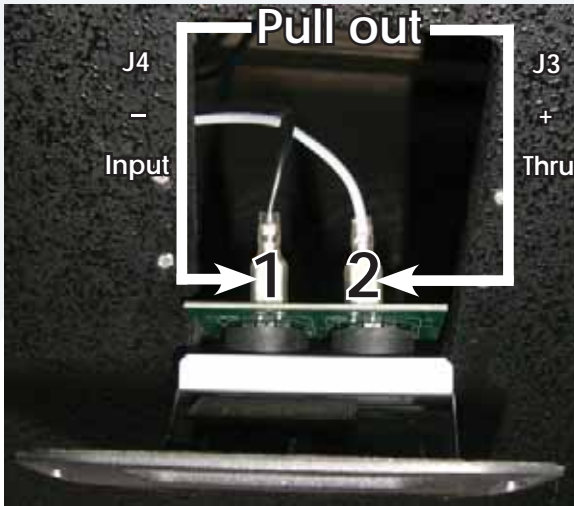


2 Once loosened, the input assembly may be easily removed from the cabinet. Do not completely take the input assembly off yet, as two cables need to be removed first.

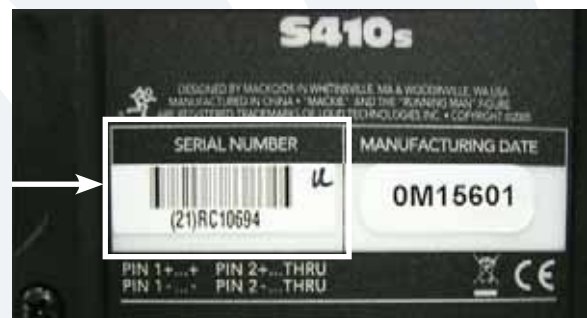
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Input assembly replacement continued:



3 Two cables need to be removed from the input assembly PCB (as shown on the left): (1) the solid black cable attaches to the negative terminal (connection J4). This is for the input jack, and (2) the grey and black cable attaches to the positive terminal (connection J3). This is for the thru jack. Do not force cable removal or connection, although needle-nose pliers may aid in loosening the crimped cables.



4 Place the new input assembly (part #0011817) where the old one was. Follow the same steps as above, but backwards 3 to 1. Remove the serial number from the faulty input assembly (as shown in the picture above) and place on the new input assembly. Power up the S410s and relish in the fact that you just replaced an input assembly. Hats off to you for a job well done!



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