

Magnum XLF – Common-Mode FilterCord

Pre-Installation Instructions:

All noise or interference comes into your radio either through the antenna system or the DC power lines. The XLF-20 will effectively cancel or reduce the noise coming through the DC power lines. To determine if the noise you are experiencing is coming through the antenna system or DC power line, conduct this simple test:

1. Start the vehicle and listen carefully to your radio's receiver noting all interference and noises. Start and stop the various DC switches and motors in the vehicle (windshield wipers, turn signals, etc.).
2. Unscrew the antenna from the back of the radio and replace it with a dummy load.
3. Repeat step 1 and compare noise/interference levels.
4. Any noises or interference that remains after the antenna system has been replaced with a dummy load, will be reduced or eliminated by using the XLF-20.

Installation Instructions:

The XLF-20* is designed to replace the two-way radio's stock power cord to make installation as easy as possible.

1. Turn off the two-way radio and disconnect the stock power cord.
2. Compare the stock power cord to the XLF-20 power cord and make sure the positive and negative pins on the connection are in the same location.
3. The XLF-20* comes standard with a 20 amp fuse.
 - a. If your radio uses a fuse that is less than 20 amps, continue to Step 4.
 - b. If your radio uses a 20 amp fuse, continue to Step 5.
 - c. If your radio uses a fuse that is GREATER than 20 amps, DO NOT USE THE XLF-20 with your radio!
4. If your radio uses a fuse that is less than 20 amps, remove the fuse from the stock power cord and use it in place of the 20 amp fuse in the XLF-20.
5. Connect the wire-end of the XLF-20 to the 12-13.8 volt DC source that the stock power cord was disconnected from. Connect the red wire to positive (+) and the black wire to negative (-).
6. Insert the XLF-20 connector (either 3-Pin or 2-Prong depending on XLF-20 Model) into the radio's power input jack.
7. Locate a suitable place to secure the XLF-20 filter box. Use screws or a permanent mounting tape to secure the filter box to either the radio or the vehicle.

**The XLF-20BP does not come with a fuse and the power leads are only several inches long. Please use your radio's stock power cord with fuse. Replace the stock power cord's 3-Pin connector with the XLF-20BP -- securing them together appropriately.