

MODEL # SGN20

Ground Loop Isolator



The **SGN20** is a high quality inline RCA ground loop isolator/ noise filter designed to reduce or eliminate; alternator whine, background hiss, ignition spikes, and other forms of noise. A SGN20 breaks the ground loop formed by common grounding of stereo and amplifier or equalizer and give better isolation between the car and amplifier etc. The **SGN20** utilizes audio transformer technology to filter out noise while retaining exceptionally good audio quality.

Installation Location: The amplifier is the recommended location for installation therefore the RCA ends are at the appropriate orientation for ease of install. The **SGN20** can however be installed anywhere the RCA cables can be intercepted as long as the correct orientation is followed.

Wiring Connections: Connect the MALE RCA toward the amplifier. Connect the FEMALE RCA toward the source or connect to RCA cable from source. Red banded RCA = Right channel - Black banded RCA = Left channel. Connect one or both of the BROWN wires to the source unit's chassis ground if there is still a noticeable amount of noise present. Connecting these wires to the source unit's chassis re-establishes the ground reference for the audio signal and sometimes solves difficult noise problems.

Note: Connecting the Brown wires is not required in all cases.

Final Adjustments: Once all connections are made you will have exceptionally good audio quality without noise.

Specification: Output Impedance <150ohm - Frequency Response: 20Hz to 20KHz +/- 2db - Distortion: < 0.3 % - Input / Output Ratio: 1:1



Stinger Technical Support ● 800.477.2267 ext. 230 ● stingerelectronics.com

MODEL # SGN20

Ground Loop Isolator



The **SGN20** is a high quality inline RCA ground loop isolator/ noise filter designed to reduce or eliminate; alternator whine, background hiss, ignition spikes, and other forms of noise. A SGN20 breaks the ground loop formed by common grounding of stereo and amplifier or equalizer and give better isolation between the car and amplifier etc. The **SGN20** utilizes audio transformer technology to filter out noise while retaining exceptionally good audio quality.

Installation Location: The amplifier is the recommended location for installation therefore the RCA ends are at the appropriate orientation for ease of install. The **SGN20** can however be installed anywhere the RCA cables can be intercepted as long as the correct orientation is followed.

Wiring Connections: Connect the MALE RCA toward the amplifier. Connect the FEMALE RCA toward the source or connect to RCA cable from source. Red banded RCA = Right channel - Black banded RCA = Left channel. Connect one or both of the BROWN wires to the source unit's chassis ground if there is still a noticeable amount of noise present. Connecting these wires to the source unit's chassis re-establishes the ground reference for the audio signal and sometimes solves difficult noise problems.

Note: Connecting the Brown wires is not required in all cases.

Final Adjustments: Once all connections are made you will have exceptionally good audio quality without noise.

Specification: Output Impedance <150ohm - Frequency Response: 20Hz to 20KHz +/- 2db - Distortion: < 0.3 % - Input / Output Ratio: 1:1



Stinger Technical Support ● 800.477.2267 ext. 230 ● stingerelectronics.com